

$$i\hbar \frac{\partial \Psi(x, y, z, t)}{\partial t} = \left[-\frac{\hbar^2}{2m} \nabla^2 + V(x) \right] \Psi(x, y, z, t) = \tilde{H} \Psi(x, y, z, t)$$

$$F_g = \frac{GMm}{r^2}$$

$$F = ma$$

$$\Phi_E = \oint \vec{E} \cdot d\vec{A}$$

$$G_{gain} \equiv \frac{v_o}{v_i} = \frac{-R_2/R_1}{1 + (1 + R_2/R_1)/A}$$

$$f(x)dx - F(a)$$

$$\pi = 3.14159265358979323846264338327950288419716939937510582097494459230781640628620899862803482534211706798214808651328230664709384460965647018458420297209456048566280643266482133973007260349141273$$

$$+ SKYLE$$

F!ROSH HANDBOOK: IT

EDITION

VOLUME MM

F!ROSH HANDBOOK



PLAYER'S GUIDE



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CONTRIBUTES
TO THE
SPIRIT OF THE
FIRE



DISCLAIMER

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Directions: Open handbook. Read handbook. Brag about it to your friends in other universities. Start first year. Hate life. Finish first year. Close handbook. Rinse and Repeat.

Side effects may include: nausea, heart burn, indigestion, upset stomach, diarrhea, dizziness, vomiting, heart attacks, brain haemorrhages, baldness, rash, blindness in one eye, decreased vision in all three eyes, tinnitus, epileptic seizures, migraines, confusion, memory loss, drowsiness, numbness in the limbs, tremors, anxiety, irritability, depression, insomnia, palpitations, shortness of breath, high and/or low blood pressure, hives, menstrual changes, gradual weight gain and/or loss, severe PMS, excessive thirst, death and extreme awesomeness.

Items you will want to make sure you have with you in the event you are in first year or very severe boredom and lose conciousness: this handbook, a pack of instant noodles and your eyes.

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Many artsies were harmed in the making of this handbook.





F!ROSH HANDBOOK IT1

EDITORS MESSAGE

Welcome to Mushroom Kingdom Player IT1. You are here to gather an army of friends, defeat the sinister Bowser and rescue the beautiful princess... in only four (or more) years.

Now engineering is serious business and should not be treated like a game... but I decided to theme it like one anyways! Here at Skule™ beating Bowser is of the utmost importance, you can't win without having fun. We were all once in the same position as you and we know what it's like. This book was made for you, by people who have been through what you are about to go through. Use this book to your advantage since, in this adventure, you're going to need all the cheats (don't actually cheat), hacks (don't actually hack) and walk-throughs you can get.

So you probably already have a few questions like why there's a 'T' in your year. See back in the day when there were years such as 6T9 the 'T' made the '-ty' sound in the word 'sixty' and sort of represented the University of 'T'oronto but now in the future, it no longer does that but it stuck anyways! But believe it or not, in the near future (in a few decades) it will all make sense again. Now another question you might have is that why there is an exclamation right after the 'F' in 'F!rosh'. Well you see, back in the day, before spell check, we use to think that the exclamation mark would go after the first letter (yeah... not really), either that or the word F!rosh is just way too exciting to leave the exclamation mark to the end.

So you want to know the real secret to getting by first year? It's called balance. If all you do is study, you're going to hate it, get stressed and quit the game. On the other hand, if all you're going to do is (mario) party and socialize, you won't know a single piece of knowledge that's required of you (and possibly fail). So balance it out, play some sports, go to class, join a club, study and go out with your friends. Find your balance and you'll be able to do everything you wanted first year. It's your money, time and it only happens once, so make the most of it.

Now all the people who worked on this handbook deserve some serious credit. They took time out of their summer to do something Skule™ related. So if you ever meet or see or become friends with the people in this book (which you probably will), give them a nice thanks for being awesome. If I forgot to put your name, I'm terribly sorry (it's just too complicated for me to handle).

Well I've wasted enough of your time, get on with your lives and read the rest of this helpful book and I hope to see you all on Front Campus in a few weeks!

Jimmy Lu
F!rosh Handbook Editor OT7





PRESIDENTS MESSAGE

Aina Lagrou – President 2007-2008



Greetings and salutations and congratulations! You are now a student of the Faculty of Applied Science and Engineering at the University of Toronto. This makes you a very special person, and also part of a tradition that is more than a century old.

School will offer you your share of labs, problem sets and late night cramming, however school is only a sub domain of the greater "Skule™" (pronounced "school"), and by that I mean University life. The key to succeeding in your time here at Skule™ is to maintain a proper balance between both academic and extra-curricular components of your lifestyle.

As an undergraduate student at U of T, you are automatically a member of the University of Toronto Engineering Society. Around here, it's known as Eng Soc ('N Sock'). The Engineering Society is basically the nucleus of all undergraduate engineering students, offering several opportunities to get involved in various groups, clubs and activities – all of which are a really awesome way to relieve stress and have a great time. The many activities of the society are governed by the president, five vice-presidents, and over twenty five directors each in charge of a particular group.

Within the society, we have activities for every fish in the sea, no matter how geeky or cool they are! There are tons of intramural sports, charity events, professional development activities, social clubs, design competitions, cultural celebrations, and musical bands, all of which are described in this super-smashing handbook.

In September, you will elect class representatives who will be your main means of communicating with the Society and the Faculty. They will be both your main source of information and your feedback channel regarding all of our social events, competitions, academic issues, and other special activities.

For now, there are three things you can do to prepare for a stellar year of awesomeness:

Read this Handbook! (It will tell you how to prepare yourself for September)

Sign up for Orientation! (There you will learn everything you need to know about life, the universe and Skule™).

Set your homepage to www.skule.ca (it will keep you informed about what's going on)

Your University career happens only once, so take advantage of all it has to offer! (ie: hidden coin boxes, 1-ups, mushrooms and invincibility stars a plenty!)

So, I wish you all a super-duper-awesome-possum orientation! I'm sure you'll have no problems finding your place in the world of Skule. On that note, don't forget that during your four (five, six, seven...) years here at Skule, the Engineering Society is here for you whenever you need it! Feel free to drop by the office (SF B740) anytime, or send me an email at president@skule.ca. Best of luck, and we'll see you in the fall!





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All the members of the Engineering Society, Barbara Elleson, and student group chairs.





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ORIENTATION

World: Front Campus

Hello players! Welcome to orientation! Orientation is the place to let loose all your fears and doubts about the coming years. Take advantage of this week as an opportunity to meet new players and some expert players (known as upper years) who can show you how to properly own the game we call Skule. This is a week where you can show all your spirit and relax. Orientation is a necessity to completing other difficult levels that lie ahead.

Visit: <http://orientation.skule.ca>
for more information.





ORIENTATION

Orientation Chairs Message

When I was asked to write this welcome for this handbook,

I toyed with the idea of speaking like a Nintendo character. After all, who doesn't love to save the princess, stomp a koopa, and wear suspenders like they've never been out of style? This idea soon became an obsession, often resulting in spending forlorn all nighters alone playing video games searching for – and recording – snippets of dialogue from my favourite characters. I've unfortunately come to the conclusion that something must have been lost in the translation. So since I am not going to write in original Japanese or offend your sensibilities with an atrocious Italian accent, I will simply speak as an Engineer.

Frosh 1T1 – welcome to Engineering. We are your orientation chairs. Orientation? You'll come to know it as Frosh Week – the most amazing week of your life. And over the next few pages, we will prove that Frosh Week is simply something you cannot miss.

Frosh Week is the best, funnest, most awesome week of the Skule™ year, and the perfect way to start off your university career. Make new friends, play games, get to know your profs, get to know upper year students. Learn more about Skule™ spirit and get a better feel for all different things in engineering. Whether it's the location of your classes, the nearest gyms, or all the different Skule™ clubs and teams, we will walk you through it all.

U of T Engineering is the proudest and most spirited faculty on campus, steeped in tradition, and Frosh Week is the best no-pressure, all ages introduction to what engineering has to offer – in and out of the classroom. So why the delay? Find out what Orientation has in store for you today!

See you there.

Norman Goh

ENGSCI OT7+PEY – Orientation Chair

P.S. Don't forget to register online at www.froshweek.ca

Brandon Mclean

MECH OT9 – Vice Orientation Chair



Checklist

What to bring:

- Your pre-order pass (online registration)
- \$90 registration fee if you didn't register online
- Weather appropriate clothes that can get dirty/wet
- Walking shoes
- T-Card and Health Card
- Sunscreen
- Skule spirit!

What not to bring:

- YOUR PARENTS!!!
- Electronic devices (cell phones, cameras etc)
- Anything of value (\$\$\$ or sentimental)
- Extra baggage (bags, purses)
- Fine clothing (may get dirty and/or purple)





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ORIENTATION

Schedule





ORIENTATION

Schedule Explanation

Heres a little run through about the events during Flosh week, just so you know what

to sort of expect, but there will still be plenty of surprises :).

Arrival: Get here and get here early (here being front campus). Learn some cheers, do some ice breakers and basically just get to know your Flosh group.



Matriculation: This is the first event in this epic week. This is where you pay for your Flosh kit, get your kit, rip apart your Flosh kit (find all the goodies), take an oath to get your hard hat, get introduced to everyone involved in Skule™ and cram into the single largest lecture hall at U of T.

Campus Tour: Get lead around Mushroom Kingdom, learn where everything is, perhaps get dyed purple, and have a huge group picture with all the Flosh on front campus.

Downtown Tour: like the campus tour but BIGGER and by far BETTER. Just imagine your reaction if 1000+ purple players walking all around downtown, stopping traffic, yelling ludicrous cheers and basically causing a ruckus... yeah, I thought so.



Blue and Gold Movie Night: So your sick and tired of walking everywhere, well put a leg up and watch a movie with the infamous Blue and Gold committee.

Secondary Education Evaluation: This does not affect your marks! Do attend this as it does give everybody a general feel for the incoming class' 1337ness.

Flosh Olympics: Think your Flosh group is faster, smarter, stronger and just generally better than the other Flosh groups? Well come to this event and show it as you will be tested to the extreme on team work, super intelligence and the ability to pwn (that is not a typo)!

Hart House Farm: A weekend trip to the farm! Go swimming in the pond, play some games or just sit back beside a fire and listen to some stories (about engineering from upper years). Not to be missed.

Flosh Nite: This is the biggest event you will ever attend. Held by engineering, but attended by everyone (all of U of T, Ryerson, OCAD etc.). It is way more than just your Mario Party, it's a full out Mario Blas-arty-bration (no dance experience required)!

Scavenger Hunt: This is not your average scavenger hunt, so get ready to group with some friends and scrounge around Mushroom Kingdom and Toronto for a super good time.





ORIENTATION

The Story of Lady Godiva

Lady Godiva, much like Princess Peach, is honoured by all Engineers.

She is the patron saint of engineering. So the story goes a little like this...

In the 11th century, the people of Coventry were under the rule of Earl Leofric and were also being taxed harshly (this was quite typical). Lady Godiva, Earl Leofric's lady, repeatedly asked him to lower the taxes and he eventually agreed to if she rode through the town naked (on a horse). Out of respect, the town's people averted their eyes while she did so. After her valiant ride through the town, the Earl kept his promise and thus lowered the taxes.

This story demonstrates how Lady Godiva put society before herself. And like the past, money is often put before the benefit and safety of society. This is the reason why engineers respect her and these are traits each engineer should possess.



The Story of Purple Dye

The colour purple is associated with royalty, wealth, power and Wario's

wardrobe. Through the years, purple has been the colour all other colours dream of being. Much like those gatorade commercials, you will bleed and sweat purple when you become a true engineer. I'm still confused as to why but a wise Toadstoll once told me...

A long long time ago, in a continent far far away, it was the glorious era of the mighty British Royal Navy. Her Majesty's Ships were being set out to explore, conquer and claim exotic lands at the far ends of the Earth. Like a chubby Italian plumber working for mushrooms, the Royal Engineering Corps worked from dawn till dusk to keep her majesty's ships in good condition. To identify themselves as engineers, each officer proudly wore a bright purple patch on his right arm, just below the shoulder. Alas, the sweat, grime and bilge water in the engineers' work environment resulted in a hefty portion of the bright purple dye from the badge transferring from badge to skin (yum). This allowed engineers to proudly wear the colourful mark of their profession, with or without their uniform. Royal engineers, being the honourable people they were, would often sacrifice their lives and go down with the ships in a valliant attempt to slow down the sinking process so that more people might survive. As a badge of honour and respect, and more importantly, in memory of all the honourable men and women who have gone before us, we temporarily mark ourselves with the colour that expresses our pride in our history: purple.

So rich and colourful as the history of purple dye is, dyeing yourself during F!rosh week is not mandatory (although it does show Skule™ spirit!). If colouring your whole body is a bit too crazy for you, consider only dyeing a portion of your body (an arm, a leg...). Expect to remain purple for a few days (depending on your washing habits).





ORIENTATION

Hard Hat Descriptions

Hard hats are given to people who have achieved something or held an important

position (they also grant the ability to fly, turn to metal or walk through walls). They range from your standard yellow hard hat which is given to everyone to some that don't even exist (you'll understand later).

Yellow (Yippee Yours!)

- This is for you Frosh. Do not let it get stolen by an artsy, and if so should happen, yell 'hard hat!' as loud as you can. Besides that, put crazy stuff on it, guard it with your life and maybe drink some BEVERages out of it.

Green (Pencil and Paper People!)

- Frosh Handbook, the Toike Oike, the Cannon and Skulebook Editors all wear one of these hard hats. These people know how to be funny with words or at least bribe people with food to be funny for them.

High Visibility Orange (Loud Livers!)

- These stylish pieces of head gear are owned by leedurs of the Bnad. They are the most energetic people. Find one of these if you want a boost in your spirit or a big loud group of people.

Red (Funny Fantastic Flowing Folk!)

- These people run the comedic musical review known as Skule™ Nite. They are insanely funny, ridiculous all the time and will make you pee your pants at least once a year.

White (Changing in Charge Chiefs!)

- The officers of the Engineering Society wear these hard hats. Officers work 24/7 to ensure that your Skule™ experience is as awesome as it should/could be, so get to know them – they actually care. The president also has their own white fireman's hard hat, which they need to wear to every council meeting (lucky them).

Black (Tough Toned non-Talkers)

- Black hard hats can be found on the guards of Ye Olde Mighty Skule™ Cannon, and the Chief Attiliator (who wears an extra reflective face shield). These people protect the Skule™ mascot with their lives... and large, hard (and hurtful) batons.

Beige (BEVERage Bartending Barons!)

- The Suds Managers are the owners of these fine hard hats – they manage and maintain Suds, the engineering pub set up in the Sandford Fleming atrium. Go to them every Friday for relaxation and plenty of BEVERages.





ORIENTATION

Avocado (Talky McTalk Talkers!)

- These people are very good with words (or at least they should be), because avocado coloured hard hats are given to communication directors. These include Engineering Communications Chair, Webmaster, Archivist, Computer Systems Administrator, and Speaker.

Maroon (Busy Business Bosses!)

- The Stores Managers sport the maroon hard hats. They are in charge of Engineering Stores, located in the Sandford Fleming basement, where you can buy various engineering/Skule™ related items. Most importantly, here you can also purchase the cheapest first year textbooks.

Light Blue, Dark Blue, and Silver (Nothing Non-existent Nobodys!)

- Wow, what are you talking about? There's no such thing as light blue, dark blue and silver hard hats! No, of course they don't belong to the ministers, ass, and chief of the BFC. What is the BFC? O_O
- The winners of the Mr. Blue and Gold the Godiva's Crown competitions during Godiva week are awarded the precious blue and gold hard hats. Make sure you find out who Mr. Blue and Gold is for he must drop his pants on command for the entire year (this is no joke).

Blue and Gold (Pant Parting People!)

- The winners of the Mr. Blue and Gold the Godiva's Crown competitions during Godiva week are awarded the precious blue and gold hard hats. Make sure you find out who Mr. Blue and Gold is for he must drop his pants on command for the entire year (this is no joke).

Brown, Burgundy and Grey (Clubbing Cool Cultured Chaps)

- These hard hats are given to the chairs of cultural, social and professional clubs. Join some of these clubs, connect and diversify yourself.

Gold (First Fast Furious Fellows!)

- Gold hard hats are given to the competition club chairs, such as Engineering Athletics Association. A highly active bunch, these people always aim for the gold medal - which is what the colour of their hard hats stands for.

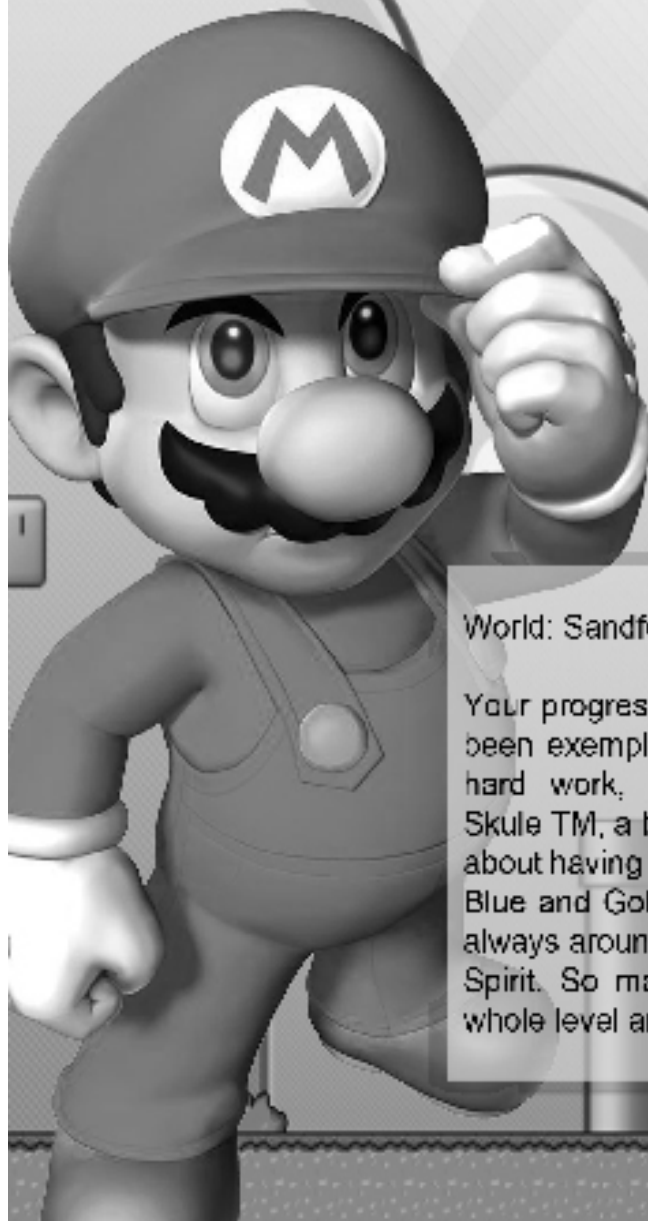
Orange (Minion Making Members)

- Internal directors (see full list in www.skule.ca) are awarded the orange hard hat for their hard work in the Engineering Society throughout the year. You'll see them around Skule™ doing EngSoc's deeds.





SKULE™



World: Sandford Fleming Atrium

Your progress throughout the game has been exemplary. As a reward for your hard work, consider the next level, Skule™, a bonus level. Skule™ is all about having a good time. Allies such as Blue and Gold, the Bnad and SUDS is always around to help boast your Skule Spirit. So make sure you explore the whole level and get involved!





SKULE™

Skule Timeline

A (brief) history of Mushroom Kingdom! Just some little interesting facts we thought you might want to know

1873 The School of Practical Science: The Ontario School of Practical Science (SPS), which was the precursor to the Faculty of Applied Science and Engineering (APSE) at the University of Toronto, is founded and occupy part of the Mechanic's Institute at the corner of Adelaide and Church Streets in downtown Toronto.

1878 – The Little Red Schoolhouse: The northern third Engineering Building is built at U of T to house SPS. Affectionately known as the Little Red Schoolhouse, it is located at the corner of King's College Circle and King's College Drive, where the Medical Sciences Building now stands.

1884 – The Engineering Society: T. Kennard Thomson, a SPS student at the time, hosts a dinner in which several students and two professors, John Galbraith and Wm. H. Ellis, are invited. During the dinner, the idea of an engineering society for SPS is discussed; Professor Galbraith fully supported the idea and called for a committee to draft a constitution for the Society. In January of 1885, the first election for the newly found Engineering Society was held, with Professor Galbraith serving as the President. The first meeting of the Society was held on March 3.

1889 – More of the Schoolhouse: The rest of the Engineering Building, including the recognizable tower on the east side of the building, is completed.

1889 – Student President for the Society: Professor Galbraith, feeling that the Engineering Society is capable of running with a student as the President, steps down. An election is held and H. E. T. Haultain becomes the first student to serve as the President for the Society.

1891 – School Colours:

The school colours for engineering are selected. The colours blue and gold are selected, and are still the colours used by the Engineering Society today.

1906 – Welcome to U of T: On June 20, the School of Practical Science formally becomes part of the University of Toronto. It is renamed to the Faculty of Applied Sciences and Engineering, but the name SPS remains a large part of the engineering identity.

1910 – Toike Oike: The Society creates an election paper for the student body, known as Toike Oike. The origins of the word are not completely known, but there are legends about the source of the name. Toike Oike later becomes the 'official' paper of the Engineering Society, presenting both humour and school-related news.





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1920 – "Toike oike, toike oike; Ollum te cholum te chay!": The Skule™ Yell is heard for the first time.

1921 – Skule™ Nite: Ngynyrs in SPaSms has its first showing at Massey Hall on March 2. It would later go through several names and eventually become Skule™ Nite, with an annual show for the most part.

1936 – Ye Olde Mighty Skule™ Cannon:

While cannons had been a large part of life at SPS since 1899, it wasn't until 1936 that the Mark I Cannon made its first appearance. It was built by a machinist in the mechanical department, and boasted a 10' barrel with a 6" bore, and a 8' x 4' x 1" base, and was built a few hours before the School Dinner being held on November 20.

1949 – LGMB: The Lady Godiva Memorial Bnad Isic! is founded by A.J. Paul LaPrairie, and make their first appearance at the Homecomming Parade of that year.

1966 – End of an Era: The Little Red Skulehouse, with its deep connections to Skule™, is torn down to make way for the new Medical Sciences building. It was the last major link to SPS that Skule™ had; it was after this occasion that any opposition to the name Skule™ vanishes.

1977 – Fire in Sandford Fleming:

In the early morning of February 17, a fire breaks out in the wall of the northeast lecture hall in the building (where SF1101 now stands). Undetected, it spreads through the building, destroying student space, a portion of the Engineering Society space (including the archives) and the offices of many graduate students and professors.



1982 – Waterloo Tool Stolen

1984 – Trademarked: The Engineering Society obtains the trademark on the name Skule™.

2000 – Queen's Grease Pole Stolen: 2000 saw the famous Queen's Grease Pole Liberation. A small section of the Pole was cut off and kept by us before the Pole was returned. Part of the piece was sold on eBay, the other part was added to the belt worn by the CA, where it can be seen to this day. The belt, incidentally, is the chain that once protected Waterloo's Engineering mascot, the Tool, before it, too, was liberated in 1982.

2004 – Smoke and Thunder: Smoke and Thunder: The Story of the Mighty Skule™ Cannon is officially launched on DVD on January 15, 2004. No less than 5 fire trucks appear outside Sanford Fleming within minutes.

2007 – Class of 1T1Enters (that's you guys)!

(26 +/- 40 – 5) x 10⁶ Years into the Future... Nemesis: According to the Nemesis Hypothesis, the solar system will be bombarded with Oort Cloud Objects that will cause a Global Catastrophe.





F!ROSH HANDBOOK ITI

ENG SOC PICS





SKULE™

VP Academic **Raj Patanni**

Hello Firosh! Welcome to Engineering at the University of



Toronto. We all share one common goal: the pursuit of knowledge – and it is in this pursuit that we would all particularly like to help you. Your EngSoc will make your voice heard in meetings with the Faculty. Your ProfDev Director will be organizing many Professional Development events for you to attend. Your UTEK Director will be organizing the U of T Engineering "Kompetition", a design competition where you can showcase your engineering skills. Be sure to get involved in activities outside of the classroom to enhance your educational experience at U of T. This school is known around the world for its research facilities, its Faculty, and its students. Over the next year, take advantage of all this school has to offer. Please do

drop by the EngSoc office (especially during our office hours!) to say hello!

First off I would like to welcome you to Skule™. My name is Robert Jackiewicz and I will be the one

VP Communications **Robert Jackiewicz**

sending you spam for the next year. My official title is Vice-President Communications. You might ask yourself, why you would want a death wish by pissing off everyone at Skule™? The answer, because I want to make sure that all members of the Engineering Society to know exactly what is going on. I am also your repository of all information about the engineering society (ex: our organization, our clubs, etc). If I don't know the answer I will find out the answer. I also oversee all the publications of the Society such as the Toike (U of T's humor newspaper) and the Cannon (the engineering serious newspaper). I encourage you to read all the publications and possibly get involved in them. If you ever have a question just yell at the top of your lungs, or send me an e-mail. You may reach me at vpcomm@skule.ca or engsoc@skule.ca.



VP Finance **Evan Jones**

Welcome to U of T Engineering! Congratulations on

completing high school and being accepted to university! That is quite an achievement, and I am pleased that you will be joining our community this Fall. As VP Finance, I manage the operating expenses of the Engineering Society, its physical possessions, and its donations to engineering clubs and engineering laboratories. And I need your help because I am constantly seeking input on these areas of funding. It is your student fees we're spending after all! So please bring me your questions, concerns and criticisms. There's a Finance Committee meeting every month (food is provided) and you can find me at the EngSoc office, or approach me any time in the halls or in the Sanford Fleming Atrium.





SKULE™

VP External Eamon McDermott

Hello, thanks for reading my writeup. As Vice

President External, I will representing you, and every other undergraduate engineer, to a variety of organizations, some of which you may be interested in!

As engineering students, the groups you will identify are ESSCO and the CFES, which represent the other engineering schools in Ontario and Canada, respectively. Delegates from U of T meet several times during the academic year to discuss issues relevant to all of us. These organizations also work with engineering bodies on the provincial and national body, and are our ties to our future profession.

Some groups are a little closer to home. I will also be one of the people in communication with student governments on campus, such as the U of T Students Union. If it's important and it's happening on campus, I want to make sure you're made aware of it!

As a first year student, you're probably trying to figure out how to get involved outside the classroom (if not, you should be!) And one great way to start is applying to attend conferences and meet all the groups that I've been speaking about. In fact, a conference specifically for first year students (FYIC) is held each February, so watch your inbox.

For more information about external affairs, please check out <http://externals.skule.ca>, and have a great Flosh Week.

VP Student Life George Missios

Ahoy there, Flosh. My name is George Missios,

your VP Student Life for the 07-08 Skule™ year. What do I do? Well, I supervise the organizing of events such as this very Flosh Week, Godiva Week (a 'second Flosh week'; you will learn more about this later), and other activities throughout the year. Additionally, I work with all the different clubs around the school, helping them with whatever they need, and encourage participation and involvement in Skule™ life, to balance out academics and create a more well-rounded experience. I hope that all of you enjoy Flosh week – go out, eat food, have fun, be purple – and I encourage everyone to participate in activities throughout the year. Good luck to everyone, and have fun!





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SKULE™

THE CANNON

Hey Frosh. If you got to this page you are either really dedicated and you read the whole book, really lazy and you just randomly opened this one, or extremely passionate and you were waiting to read this page since you got your acceptance letter. Whichever you are, let me take a minute and introduce you to The Cannon.

Firstly, the formal introduction: "The Cannon is the official newspaper of U of T Engineering Society. Established in 1978, it circulates 2000-3000 copies in the Faculty of Applied Science and Engineering. Reporting on fact and opinion. The Cannon is a very strong, engineering-centric newspaper designed with the interests of undergraduate engineering students in mind. Published eight times per academic year, The Cannon is distributed free of charge and can be found in the newspaper racks throughout the twelve buildings in the engineering complex." - I really don't know who wrote this, but it sounds good.



Are you still reading? Ok, so now the not-so-official intro: The Cannon is not just a tabloid-size newspaper that's published X times a year, it is a social club, a group of passionate students, a way of life. If you ask any senior staff member why they are still with the Cannon, it is because they fell in love with it, and of course, so did I.

Despite our talented and enthusiastic staff, we are always looking for members: writers, layout staff, photographers, designers, web gurus etc. As long as you can do something and you think you could help us, you are welcome to join. What if you can't do it you say? Well, come out and join anyway, we will teach you how. Visit our website at <http://cannon.skule.ca> for more information.

Now it's time for the benefits. Many will tell you that when you start Skule™ your life will change, and they're right. Please don't be silly and hope to get through Skule™ life with your high school sleeping/exercise schedule, trust our experience and adapt before they (the dark side) make you. Where am I going with all this? If you join The Cannon, your instant benefits in the first year will be: friends, sanity, help (with what? - Skule™ of course), free food, and let me re-enforce it again - sanity. On another note, you will be doing something really exciting, become popular, learn how to write and other magic tricks, and possibly even get a job.

Shocked? I know, it's so exciting. I would be shocked too. I am not sure if I was able to convince you to join, if I scared you into reading calculus book in advance, or if you still don't care. Regardless, you can always email me at cannon@skule.ca and I will be more than happy to answer any questions regarding The Cannon or any other Skule related issues. Life is short, make the most out of it.

Kirill Zubovskiy
The Cannon Editor-in-Chief 2007-2008





SKULE™

The Toike Oike

Welcome to the world of Skule™! Now before you start breaking down and cry "WHY GOD WHY?!" WHY DID I PICK ENGINEERING??" as you most inevitably will, remember that there are things that can help you get your chuckle on! And by chuckle on I mean massive amounts of laughter whilst you trade favourite quotes with your friends between classes. What is this miraculous stress-reliever you ask? Why it's THE TOIKE OIKE of course! But you can just call us the Toike.

Although the Toike was started, I'm sure, as a way to dupe the Engineering Society into giving us money for beer and wings, it appeared we also had to deliver a humorous paper every month, too. And deliver we did! Now we are the number one paper to be read in between classes.

My crappy jokes aside (please don't take this write-up as an example of the quality of the paper. I write very little! I swear! We actually have funny people!) I'm here to recruit. We need all sorts of funny (and non-funny like me!) people to help keep the Toike the wonder that it is. Can you crank out funny articles on a monthly basis? Great! We want you. Can you do layout and Photoshop like no one's business? Great! We want you. Can't do anything? Great! You can help us party every month at Ein-Stein's pub (beer, wings and nachos. What else could you want?).

Interested? Intrigued? Slightly annoyed? Great! Check out our past issues at <http://toike.skule.ca>. If you become a part of our team I can guarantee at least two nights a month where you will laugh till your stomach hurts! (Not guaranteed)

Anyhoodle, if you have any questions about the Toike, Skule™, why this place is so twisted and evil etc. you can always get me at toike@skule.ca.

Vesna Cemas

Editor-in-Chief OT7 - OT8



Frosh Handbook

So you're currently reading one, and by golly are you fortunate you don't have to create one! The Frosh Handbook is a guide to first years since it is a difficult transition from high school to university. So many decades ago they thought it would be useful to help with this transition. This book is filled with tips, tricks and all sorts of (useful) information for first years. Enjoy and maybe you can add to this awesome publication next year.





SKULE™

Skulebook

Skulebook! The Engineering Yearbook. The one and only Skule™ publication that manages to capture the essence of what Skule™ spirit is all about in 256 action-filled pages! It will make you smile, it will make you cry... okay not really, but you get the drift. It's more than you could possibly imagine, whether you be Flosh or a 4th Year + <insert random number of years here>. Wow! How could this possibly get better?! Well, you, yes YOU, already have one for FREE! It costs around \$30 to purchase, but you get one for absolutely nothin' with your Flosh kit!

What is that I hear? You want to get involved? Did you just say you want to be at Skule™ events, taking photos or doing page layout and editing pages? Because if you did, that's great! If you're into Photoshop, Illustrator or InDesign, you're in! And if you can't, you're still in! We will have many workshops throughout the year to help you guys get involved! If you know nothing, but always ALWAYS wanted to be that uber-cool dude(tte) who's all keen on digital art and publications, then you've come to right place! As part of Skulebook you'll be at numerous events, liaising with countless peers and staff and just having a jolly good time!

Lookout for Skulebook hirings at the beginning of the year! We'll be advertising to our best, but you need to come out and show yourself to us! Don't be shy, we won't bite... We promise. *evil laugh*

If you have any questions, don't hesitate to email us at skulebook@skule.ca. Make sure to pick up your Skulebook at the end of the year and GET INVOLVED!

Alp Kucukelbir & Duwaraga Sivakolunthu
Skulebook Editors OT8

Coveralls

Yeah, you thought Mario wore overalls, well you're right... but these coveralls are the next best thing! I mean, the fact that they COVERALL leaves everything to the imagination and also creates a cool look while you're at it. Ready to suit up and battle Bowser man to koopas? Well too bad, you have to pass world one (first year) to earn them.



(C) Laurus Lugh





SKULE™

Skule Nite

Director: Jordan Silverman, Mech OT7

Producer: Steven Szeto, Indy OT9

Do you want to act crazy, dance, and sing at U of T's historic Hart House Theatre? Maybe you'd like to play with power tools or take control of dazzling lights and sound effects? Or perhaps you're dying to be in a rawkin' orchestra? If you said, "OMGWTFBQQ - yes!" to any of the above, we want YOU to be a part of Skule Nite 2008!

Since 1923, Skule Nite has been U of T Engineering's Musical-Comedy Revue. Note that Skule Nite is NOT a talent show or a drunken performance of hastily-written skits; Skule Nite is part sketch comedy, part Broadway musical, and is one of the most fun and professional theatrical experiences you can have in Engineering, at U of T, or in THE ENTIRE UNIVERSE!

Auditions and sign-ups happen in October and the show hits the Hart House stage for four magical nights in March (see the website for exact dates and more information). No experience is required to audition or sign up for:

CAST - Act, sing, and dance your way through sketches about anything from crazy cults to bird flu!

BAND - Instruments of all kinds are needed for Skule Nite's fantastic orchestral

BUILDING CREW - Design, construct, and paint awesome sets and props for the show!

STAGE CREW - A behind-the-scenes chance to keep each night's show running like clockwork!

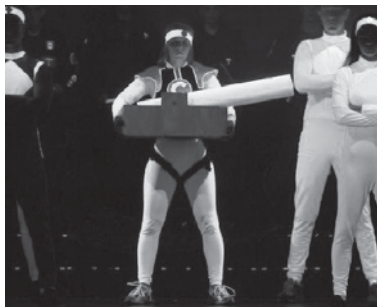
TECH CREW - How can we begin the sketch without a knock on the door?! How can we end the sketch if the lights don't go down?! HOW?!

COSTUMERS - So it's been your dream to make the cast look straight outta Bollywood? LIVE THE DREAM!

PRODUCTION - Show off your organizational and interpersonal "skillz" with the production team as you help to make the show a reality!

THE AUDIENCE - It's the least you could do, because F!rosh get a FREE TICKET with their purchase of a F!rosh kit!

Say it with me: BEST SKULE NITE EVER!



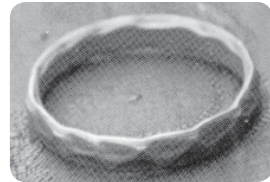


SKULE™

UTEK

Hey Frosh! Think you've got the brain power and the skills to make you an ultimate engineer? Well here's your chance to win cash prizes AND represent U of T to compete with other universities in Ontario! Enter the U of T Engineering Kompetitions, an opportunity to test your skills alongside your fellow Skule™mates. A popular competition category for Frosh is the Junior Design category, where you and 3 other members can put your brains together to figure out a solution to a hands-on problem. Other categories include Consulting Engineering, Innovative Design, and Parliamentary Debates, among others. There are tons of cash prizes to be given out, and first place winners get to travel to McMaster for the Ontario Engineering Competition, expense-free! You won't want to miss this Kompetition in January...so check the website at www.utek.skule.ca closer to September for more info, and watch out for seminar/workshops happening throughout the year! Any questions can be directed to utek@skule.ca.

Karen On
UTEK Director OT8



The Iron Ring

After four (or more) years of rigorous training, sleepless nights, thousands of dollars spent on coffees or in simple terms, after 'graduation', every engineer in Canada is awarded with an Iron Ring which is to be worn on the pinky finger of their writing hand. The ring itself is (perhaps use to be) made from the iron of the Quebec Bridge that collapsed during construction in 1907 and killed 75 construction workers. Reconstruction began in 1916 but the centre span also collapsed. Upon further inspection by a U of T professor, John Galbraith (no explanation needed, you'll visit this building often enough), it was noted that there were major flaws in the engineering plans for the bridge.

This is known as 'The Ritual of the Calling of an Engineer'. This ritual dates back to 1922 when seven engineers from the Engineering Institute of Canada attended a meeting in Canada. One of them was our very own Professor Haultain (AKA: The building with stairs which no one dares to skip steps on). Haultain felt that there needed to be an organization to bind members of the engineering profession in Canada closer together, the other members were very responsive to this concept.

Haultain then contacted Rudyard Kipling (who has already written poems about engineers), and asked for his help in creating a distinguished ceremony; Kipling was eager and quickly formulated a ceremony entitled 'The Ritual of the Calling of an Engineer'. This is the ceremony where Iron Rings are given to engineers who possess high professionalism and humility over their engineering professions.

The ring symbolizes pride and modesty for the engineering profession. The ring is worn on the pinky finger of the dominant hand which is furthest from the wedding ring or any other precious metals, this symbolizes that wealth should not be the driving force of an engineer. Also, this ritual continues to be performed for it not only identifies some one as an engineer, it also reminds an engineer that he or she owes it to society to act in a responsible and ethical manner and always think of the betterment for all.





INTRODUCING...



... The World Famous, **QUINTUPLE PRIZE WINNING**,
SEXtuple Record Setting; **TSE crashing**, football field dashing,
alcohol stashing, JUMBOTRON FLASHING, *ROYAL YORK TRASHING*,
fountain splashing, joke rehashing, *Oktoberfest bashing*, joke
rehashing, button mashing; Stealth-bnad stalking, IMPOSTOR BNAD MOCKING,
Graddball shocking, Con Hall rocking, Scavenger hunt jocking,
Chariot Race clocking, United Way walking, **SPEAKERS**
CORNER TALKING, hockey game socking; Pop machine filling, ready
and willing, **CROWN ROYAL SWILLING**, **YO - WE JUS' CHILLIN'!**
CN Tower ascending, peace and quiet ending, Cannon
defending, many patents pending; Coke machine wiring,
world take-over conspiring, instrument acquiring,
fear inspiring, introduction is tiring; **Seven year old Scotch decanting**,
ALL NUDE ALL THE TIME! Vanier Cup rejecting, **premium beer**
selecting, Godiva ressurecting, tastes good with pectin; *Wheel of*
Fortune spinning, stereo winning; **SWISS CHALET EATING**, Santa
Claus greeting, Atrium meeting, **SMASH BROS. BEATING**;
Mad integrating, Nathan Phillips skating, Aramark
hating, **TRIPLE-X RATING**; Yonge St. cruising, Varsity
Bluesing, music abusing, **EAR DRUM BRUISING**, Blue Jay
enthusing, **Iron Ring perusing**, Hart House Farm carousing,
Rum & Coke oozing, referee accusing; **Gamecube playing**,
Trogdor slaying, artsie laying, fine paying; **Police escorting**,
lecture aborting, **broomball sporting**, cheerleader courting;
S-Dance boating, **HOMECOMING FLOATING**, proxy voting, **STICKER**
COATING; Note nailing, **SCALE SCALING**, song wailing...

... CN Tower, **SkyDome**, Eaton Centre, **PRATT BUILDING**, *Four*
Seasons, Innis Condo, **SCARBOROUGH RT**, Bahen Centre for information
Technology, *Ontario University Fair*, **Skule Nite**, *Spadina streetcar*
and **SHEPPARD SUBWAY OPENING...**

...and *Subway Closing...*






...the Lady Godiva Memorial Bnad*

* Renegade Musical Terrorists
Marching Gregorian Chant Society
and White Noise Brigade

Hay F!rosheeZ!



Da LGMB iz da best whey too git involhved inn
ahll da fun thyngs wee doo heer inn
Engineering. Wee arr ah crayzee mixxx betwixt
ah marrchyng bnad aynd ah spearit groop! Da
LGMB iz ah reel eezy cluhb too joyn; thair arr
absohlootly noe comitmints rechoired, soh yoo juszt sho
up aynd hav phun! Weev goht ahll dee instruhments yull
everr kneed (trumpits, trombonez, floots, aynd muhch muhch mohr!)
aynd wee guarantee yooov goht awll da talunt yooll evur need!

Wee attend krash tuns uv uhvents dooring thuh yeer! Bassketbawll
gaymez, ruhgbee champeeonshyps, charutee uhvents, paraids, wyne &
cheezes, ceruhmoanees, aynd futbawll losses awll pheel ovr moozical
prezenss!

Howe doo yoo sin(up)? Evurree Engineering
stoodent iz awlreddy uh membr uv da LGMB!
Lookk owt fore LGMB announcemints durring
F!rosh Week aynd throo-owut thuh entyre
yeer!

Rawk, rawk awn!



100



Nick Loberto

Bnad Leedur

Steven Szeto

D(r)umb Majur(k)

Catie Darling

Joonyur Bnad Leedur

lgmb@skule.ca





SKULE™

Cannon Guard

The Earth trembles and the artsies cower. The crack of thunder and the billow of smoke rest in its wake. It is a testament to our glorious past and the infinite potential of our future. It is Ye Olde Mighty Skule™ Cannon, and it is YOUR Mascot!

The Cannon has been a proud tradition of Skule™ since 1929. The honour of the Cannon has been defended by multitudes of engineering students throughout those years. Soon after the first Cannon was created, the need for protecting it from envious Faculties and Universities became apparent. Many of these groups have attempted to steal the Cannon to prevent us from showing our great Skule™ spirit. The most infamous case occurred in 1967, when six engineers pursued two culprits to London, England to retrieve the Cannon after it had been stolen due to a momentary lapse in security. It is because of this devotion from our engineering community that the Cannon has never been stolen without it being promptly returned to us.

The Cannon serves as a symbol of dedication and strength. The thundering roar that tears across campus represents the undying spirit of the engineering student. As the most challenging undergraduate program at the University of Toronto, engineering requires rigorous study and hard work. Engineering students develop an iron will and a steadfast determination to succeed. The Cannon embodies the attitudes of the engineering student body: Nothing gets in our way.

You are about to embark on a journey; you will help forge the destiny of Ye Olde Might Skule™ Cannon. Throughout your time here at Skule™ you will no doubttingly encounter the Cannon and its guard. Remember when you do, that every member of Skule™ is a member of the Cannon Guard. The Cannon will one day count upon you to show your pride as an engineer in the face of adversity.

Honour It.
Respect It.
Protect It.

Chief Attifiator 2007 - 2008





SKULE™

Blue and Gold Committee

The Blue and Gold Committee is your one stop shop for fun and power tools. They run all sorts of crazy fun events throughout the Skule™ year. They hold several BBQ's, movie nights, (mystery) bus trips and the bed races during F!rosh week. Basically, they are the super committee that does all that a super committee can possibly do.

They also run Godiva Week (basically F!rosh Week the sequel). With all sorts of crazy events like Ye Olde Grand Chariot Race, Mr. Blue and Gold, Godiva's Crown, Ultimate F!rosh, Eating contest, Charity Car Smash and more, more and less! I mean more! This event is attended by few compared to F!rosh Week but that is a dire loss as it is JUST if not POSSIBLY MORE fun than F!rosh week. You might as well treat it like a free F!rosh week where you can win things and stuff!

As if that wasn't enough, Blue and Gold builds a homecoming float every... well homecoming. It's a great event where you work with power tools all night long, then sleep in the float and then parade around U of T like nobody else is (usually no one else is)! It has won the competition for 15 years straight! This isn't just due to the lack of competitors but the sheer awesomeness of the Blue and Gold Committee. Some examples of floats include Intergalactic Spaceship, Pirate Ship, Double Decker Bus, Castle and many more.

It requires nothing (not even pants/underpants/short/undershorts) to join. So if you're bored of class, trapped on campus and/or like the colours and/or name blue and gold, sign up at <http://blueandgold.skule.ca> or email blueandgold@skule.ca





SKULE™

Dinner Dances

So you're working hard and you need some way to relax. What better way to do so then go to eat some food and dance your face off! Can't dance? No problem! Neither can we! Can't eat? No problem! More food for us! But on a serious note, these dances range from not-so-semi-formal (S-Dance) to all the bells and whistles (Gradball). So come on down and do a little dance, make a little love and get down tonight!

Dinner Dances

Each discipline club hosts there own dinner dance throughout the year. These semi-formal dances create an enjoyable atmosphere for you to relax and get away from those annoying books and assignments. Rack up bonus points if you go to foreign territory and attend other discipline dances.

Cannonball

The annual Engineering semiformal: Cannonball. This dazzling and outrageously fun event is one night to look forward to at the end of Godiva week, before your second round of obstacles of your Flosh year begins. This is a higher level event which you need to attend in order to advance in your long journey towards becoming an engineer. All sorts of Engineers attend the Cannonball along with the Lady Godiva Memorial Bnad and the Skule™ Stage Band.



Gradball

Do not let the name fool you, all engineers attend this dance (even Flosh). Along with everyone looking super snazzy, special awards are given out during this occasion. Play hard and you might even receive some! Much like other dances, this one is typically attended by a renegade musical terrorist group and a loud kaboom.

S-Dance

Love a cheap night out? Enjoy buffet style feasting? Like free gear? Wanna listen to S Club 7 twelve times in one night? Well then this is the dance for you! Held annually by the Engineering Athletic Association, this dance provides all of the above and more! Athletic Awards are given out and you get to keep the glasses (the ones you drink out of, not your spectacles)! Besides that this is the last dance in the Skule™ year and much like the other ones, certain groups of people may (or may not) show up, so don't miss it.





F!ROSH HANDBOOK ITI

SKULE™

Stores

Adventuring in Mushroom Kingdom requires gear. Now Engineering Stores doesn't sell your typical fire flowers or power mushrooms. We provide better upgrades, like textbooks, clothing, coveralls and leather jackets. Whether it's a new backpack you want or if you need a report cover last-minute to hand in your lab, Engineering Stores has everything you need to tackle bowser school.

We are a non-profit, student-run business. We sell textbooks at cost, meaning...

Engineering Stores sells the CHEAPEST First-Year textbooks on campus! Mama-Mia!

Engineering Stores is located in the basement of the Sanford Fleming building, facing the atrium. Serving students since 1891, our motto is "BY THE STUDENTS, FOR THE STUDENTS". Stores is run by students who have been through the pleasure and fun that first-year Skule™ life has to offer. So drop by for a 1-UP because we are here to help you make it through first year without losing your mushrooms... and... textbooks?

To summarize, we sell textbooks, cards, hoodies, hats, t-shirts, leather jackets, coveralls, pens, rulers, erasers, patches, official faculty writing pads and lab report covers, coffee mugs, Cannon DVDs, LGMB CDs, backpacks, notebooks, ruled paper, Skulebooks, tickets to Skule™ events, AND MUCH MORE!!! Stores also has its very own website. You'll be able to find most of our items online at stores.skule.ca. Watch for some very cool promotions and services never offered before!

Ariel Feldman, MECH OT9

Victor Lo, NSCI OT9

Stores Operations Manager

Stores Finance Manager

If you have any questions, you can email us at stores@skule.ca

Leather Jackets

Much like the coveralls, there are only obtainable by second year. Stores typically set up dates to get sized and then you will receive the jacket in a few months (fully customizable with your choice of letting, patches etc). Be warned, the coveralls may only cost \$40 which is beans compared to the leather jacket's \$500. Be warned, brand new leather jackets may go through some weaning, meaning... they may be pounded, spilled upon and otherwise simply abused (just for fun).





SKULE™

Hard Hat Decoration

Since our hard hats are out proud bundles of joy, it is customary for engineers to decorate them.

During Godiva week there is a competition for F!rosh to see who decorates their hard hat the best. Some ideas which have been done (but are not limited to) are: a remote control car, Ye Olde Mighty Skule™ Cannon replica, potato cannon, electric car closed circuit, bridge, koopa shell, spartan helmet, firebell, samurai helmet, working coffee maker, lego covered, foosball table, binoculars, full blown speaker system, space shuttle launch pad and jester's cap. But don't let this list discourage you, there is plenty of more room for creativity. Also, it is important to put a chain on your hard hat and attach it to your waist to stop artsies from stealing it.

Town Crier

Hear yel Hear yel Be not deaf thou wayward fool-born haggards! If there be something of the utmost importance to be heard, then thy most glorious of messages shall flutter through mine lips. For thou who doth not heareth thine words will but live life sheltered and pampered, unannounced to the world. Pray, I beseech ye, young F!rosh, to take heed of mine word upon the hour of noon or therearoundafter. The word shall be spoken in the belly of the beast; the dark chambers of the atrium that lies in the deepest of pits, housed only by the building bekownst as Sandford Fleming... and possibly echo'd in the areas yonder Galbraith, and within Bahen. So if they ever come across, may the wind whisper in thine ear the word of the crier. And may your days be guided by mine voice and thy agenda filled with dates and events. Speak the speech, I pray ye, as I pronounced it to you, trippingly on the tongue; but if you mouth it, as many of our players do, I had as live the town-crier spoke my lines.

Rommel Corral
Town Crier OT8





ACADEMICS

World: Engineering Complex

1T1. prepare yourself. This level is by far the toughest level that you will encounter. However, the pages that lie ahead should prepare you for the challenge that you will face. The territory you will enter may appear easy, however, beware of the traps that bowser has placed.

Please take advantage of the information in this section and use it with extreme care. By the way, don't forget to prepare for the Secondary Evaluation Exam!





ACADEMICS

Pre Class Checklist

There are a number of important items to get before entering world one. Some can be found at a local drugstore, and others can be found at Stores, which is located in the Sandford Fleming basement. The following is a partial list of some of the important ones:

Writing Utensils:

Duh, you need something to write with... You don't need anything fancy unless you want to make your notes look extra spify.

Paper:

There will be a lot of notes and homework! Special engineering paper, which is required for CIV101, can be found in Stores and costs \$5.

Agenda:

These will be important to write down test dates, quizzes, labs, homework, exams—and then, maybe even a social life after all of that. Skule™ and UTSU (University of Toronto Student Union) will both provide one. If you're really keen on staying on a budget, these will help since they are both free of charge (well you technically paid for them in your fee's but you know what I mean).

Calculator:

There are only three allowed models: Casio 260, Sharp 520 and Texas Instruments 30. You **MUST** have one of these to be able to write most tests (unless you can calculate natural logarithms in your head). 'Illegal' calculators have been confiscated from teary-eyed Frosh during tests—so get the right calculator!

Erasers:

Because you might need to fix an answer sometimes/most of the time.

Stapler:

This alone will render you the most popular Frosh on campus. Go get one, you'll need it. Charge people five cents per staple and you will be able to buy yourself a nice dinner at the end of the year.





ACADEMICS

Classroom Etiquette

Here are some tips to avoid irritating classmates and professors:

- Do not aggressively challenge the professor with complicated sounding questions. The rest of the class is probably lost, and they will not appreciate this egotistical display. However, feel free to do this to your local TA. I'm sure they would appreciate this bit of excitement in their lives.
- Do not talk loudly during class; people would rather not hear that you forgot to shower the night before
- Do not throw non-recyclable* items at your professors
- Turn your cell phone off! Or at least onto vibrate. People can tell that you are "Promiscuous" so you don't need to remind them with your ringtone. Furthermore, once you gain a reputation for leaving your cell phone on, your dear friends will probably call you every class.
- Come to class on time. If you are coming late, be especially wary of classrooms where the door is at the front of the room and you have to pass the professor to get to a seat (such as MB 128, or MC 102). Some professors have been known to lock students out if they are late.
- Be respectful and courteous to your professors and teaching assistants. They are referred to as Professor, not Mr., Mrs., Ms., Sir, Madam or teaching guy/girl. They know more than you, and they are also the ones who can help you out. Keep them on your good side.

*recyclable items are also not okay

Textbooks

Textbooks are a considerable expense! Don't worry about buying them before class starts. The professors will tell you the textbooks that you need on your first day of classes. Here are some sources that you can consider:

Engineering Stores

Location: Sandford Fleming Basement

This is a very convenient location, as you will probably have several classes in the Sandford Fleming Building. Engineering Stores usually sells textbooks in packages, so you may get a bit of a discount. However, they carry only new textbooks and may not have all the books that you will need. If you can't find used books to buy, you can find new ones for a fair price here.

U of T Bookstore

Location: 214 College Street

The U of T bookstore will have almost every textbook that you need. If you want to avoid the hassle of going back and forth between stores, one trip here will likely provide you with all of your books. However, the prices are a bit higher here and there are not always used copies. The lines here are also lengthy. Come early in the morning if you want to beat the rush.





ACADEMICS

Discount Bookstore

Location: Beside Einstein Café and Pub, 229 College Street

This store offers new textbooks at a cheaper price. They usually have most textbooks that you will require, but sometimes they are missing a few.

Toronto University Student's Book Exchange

Location: <http://www.tusbe.com>

This website pretty much has all the textbooks you are looking for, for any and all courses. Fellow U of T students advertise sales of their old textbooks here. If you are interested, you may contact them through the website, email, or phone. Negotiate the price with the seller then set a time and place to meet with the seller. However, make sure you are buying the right textbooks, i.e. current editions by the correct publishers/authors. Some upper years will mistakenly sell you the outdated old texts.

Upper Years

Location: All around you

Textbook ads will plaster the campus as many upper years try to unload their old textbooks to recuperate some money. Upper years will often offer the most affordable prices, so take advantage of this opportunity. You will also have a chance to buy books off upper years at the annual book smoker (a place where upper years gather and desperately look for buyers)

Leeching

Location: Lectures, Tutorials, Practicals, Residences, Campus, Facebook

This is certainly the most economical option. Make a concerted effort to recognize the faces of some of your classmates. Then, lurk around any of the abovementioned bookstores and wait for one of your unsuspecting classmates. Once they have purchased their textbook, you have selected your target. With the right combination of false friendliness, manipulation and blindingly blatant insensitivity, you will be able to "borrow" these textbooks at your leisure. Remember to say thank you, and to use vague and illogical excuses.





ACADEMICS

Timetable Guide

On your schedule, you will find lots of important information. It will indicate the building and room that you should go to. Building codes can be found on the U of T map. It's well known that all classes at U of T start 10 minutes after the hour. In addition to indicating the time and length of the class, it will show if the class is a lecture (LEC), tutorial (TUT), practical (PRA), or recitation.

Lectures (LEC)

Lectures are the cornerstone of your gameplay. You will have a professor who covers the course material using chalkboard notes or slides (slides are usually posted online too). In Mushroom Kingdom, you will be treated as an independent player. There will not be anyone who nags you to attend your classes or do your homework. Although it may be tempting to sleep through a 9:00 AM calculus lecture on a Friday morning (like I did =D)*, it is not at all advisable. It takes approximately two hours of studying to catch up on one hour of missed lecture (seriously). Furthermore, lectures are essential for courses where there is no textbook. Sitting through lecture and drifting off into space is generally an inefficient technique. Force yourself to pay attention and try to understand, and you will see how much easier it is when you try to do the homework or do a question on a test.

*sleeping is strictly prohibited by engineers

Tutorial (TUT)

Tutorials take on various formats. They are usually run by teaching assistants. Some tutorials will have assignments that you can work on in groups. The teaching assistant will also help you with these. Other times, there will be a period when students can ask the TA questions about the course material. Lecture material will be reviewed, difficult homework questions are solved, and there is sometimes test or exam review. Quizzes happen in tutorials as well sometimes.

Practical (PRA)

Practicals, or labs, are designed to give you hands on training. For computer labs, students will have a given amount of time to complete a program. Other labs will consist of an assignment to be completed. For traditional labs, students will need to complete a series of experiments. Bring a hardbound notebook to the labs, and be sure to read over the lab before you go in. Do the pre-lab questions as well, because there will not be time to complete them during the lab. Some labs will require a report, and make sure you leave yourself an adequate amount of time to do these. They can take a long time!

Recitation

You may get this type of class occasionally in your schedule, although the truth is, not many people know what they're actually for (not even the ones in charge of teaching them). They tend to take the form of tutorials, except they occur in large lecture rooms (often also with the attendance of professors). They are also completely optional, so feel free to skip them if you're confident enough with your academic abilities (although it's not smart to be that confident).





ACADEMICS

T Program

How To Get Into the T-Program

So you ran into a few too many goombas and didn't quite make it through world one without a few deaths. Well in Mushroom Kingdom they let you start over again but were slightly more friendly at U of T. Now, some mean and nasty writers have probably been telling you up until now that if you screw up in Engineering, you're out...for good. Well, luckily, there's at least one remorseful soul who feels your pain and is willing to give you a glimmer of hope.

The T-Program, a lifesaver for those in need.

The T-Program makes you take courses that you didn't do so well in during the regular academic year and get you on par with the rest of your graduating class. All it takes is May and June to complete and you still get two months of your summer! But there's a catch. Because it takes half the time to complete, they cram two weeks worth of each course and compress it into one week. In theory, you're taking this course for the second time, so it shouldn't be as difficult, right? **evil parental tone**

DO NOT take the T-Program as a free pass to simply party your first term away. You still need to meet Faculty requirements to reach T-Program. If your average is 55 -60, you will have to repeat the courses you failed to continue. If your average is 45 - 55, you need to repeat three courses, including courses you may not have failed. This is also the case if you did not fail any courses and achieved over 55. In both these cases, you'll be on Academic Probation.

How To Survive T-Program

Now that you know the terms, here's a small guide to getting out of T-Program alive and off Academic Probation.

STUDY!

If it hasn't been pounded into your head already, this is the key! Those problems you didn't do during the semester? Do them now, over and over. The more problems you do, the less problems you'll have. If possible, get the past tests from your friends, or if are lucky, you kept them from the first time you took the course. These are very handy, as professors like to give the same type of questions during T-Program courses (part requirement, part laziness).

Academic Probation

This simply means you're on the verge of being kicked out for a year. If your average drops below 60 again, they give you a year to think about what you've done. Getting off takes a bit of effort though. To get this designation off your transcript, you need two (2) consecutive terms of an average above 70 (Note: terms taken that have less than five courses or repeated courses will not be counted), or one (1) term with an average higher than 80. This may seem daunting, but it's do-able. Just see the above point and limit your extra-curriculars. Just because all your friends are partying next door on a Friday night doesn't mean you can leave your homework until tomorrow. There will be time tomorrow to have fun. Just get the work done.





ACADEMICS

Time Management

Just like Mario in Super Mario Bros. from NES you will have to keep track of the clock as you pass through World One in the land of Engineering. Everyone needs a nice balance of sleep, adventure, work and food and must therefore make sure they have time to attend to all of these if they hope to move on to World Two. With regards to sleep, you will soon learn that it is a VERY valuable thing. Try to catch up on it but if you are feeling deprived feel free to catch up outside of lecture in the library, the common room, the subway or frankly anywhere where you won't be disturbed. In order to avoid having extreme sleep deprivation, be sure to attend to major projects and studying as early as you possibly can. In many cases in Mushroom Kingdom you are given a month to work on a project for a very good reason and trust me, all-nighters are really not as glamorous as they sound. Be realistic and know how much studying you need to do in order to really understand the concepts. Be sure to then allot the time to complete your work accordingly. Don't put off assignments or studying if you know that you can get them done now since the work tends to pile up pretty quickly. One plus for the commuters is that the your seat on the train and bus can double as a work desk – if you don't get motion sickness you can use your commuting time to catch up on readings or finishing up some homework.

On the other hand, all work and no play make Mario and Luigi fairly sad boys. Now we move onto the realm of adventure. Find some things that you enjoy doing and don't be afraid to join some clubs (we advise a maximum of two so that you have enough time to work and sleep) so that you can meet new people and have a lot of fun. Whether your thing is to play sports, play an instrument, save a princess or just hang out. Skule™ and U of T have the clubs for you so get out there and enjoy. In general make sure you give yourself time to relax and do something other than homework. Your brain will thank you for the diversion and you will actually find yourself collecting more coins in the work department.

With regards to food, try not to skip meals. Skipping meals will bring your health bar down which will not help you in any way. A lot time for preparing and eating meals and you will find yourself a much happier Frosh. In general, university tends to make time fly super fast when you are out of lecture so make the most of it and plan your time wisely with you handy dandy agenda/calendar – the key to first year success is to let time play on your side.

Some Guidelines for Time Management:

- 1) Keep a detailed agenda so that you know everything that you have to do
- 2) Do not join more than one club at a time until you have adjusted to the university workload
- 3) Limit any part time job to no more than 10 hours a week (0 is suggested).
- 4) Pick clubs that do not require any major time commitment. Many engineering clubs understand if you need to miss a meeting for coursework.














ACADEMICS

Core Eight Anti Calendar

What's an anti calendar you say?

Think of it like a friend telling you

how to beat a certain level that they just pwned. If this one isn't good enough for you guys check out the academic calendar the faculty has provided at: <http://www.undergrad.engineering.utoronto.ca/Assets/2007-2008+Calendar.pdf>. Without due, here it is. With due: heres a legend first.

Chemical		Electrical		Computer	
Materials		Civil		Mineral	
Industrial		Mechanical		Track One	

CHE112 – Physical Chemistry    

We are all bound by the laws of thermodynamics and yes, this course will teach you that more than ever. The course starts off with a quick review of mole fractions and gas laws and then runs head on into the world of thermodynamics and equilibrium. Do the homework questions for extra practice but don't get too intimidated if quite a few of them take a least a few hours to figure out – they are meant to be tricky but they will do an excellent job in exercising your brain for those three midterms. Utilize the concept of group studying in order to do well in this class. Make sure to get help from T.A.'s and professors if the lessons don't make sense though, since this course does build on itself. Good luck and remember that chaos occurs as a natural phenomenon, a little bit of disorder makes the world go round :).

CHE113S – Concepts in Chemical Engineering 

This course will allow you to dabble into three realms of chemical engineering since it is divided into 3 modules. The nice bit about it is that there is no final exam on the entire course – you get a mini-exam after each module so your final exam is really just your module 3 exam. The modules themselves are: The Environment and Sustainable Environment, Bioengineering and Chemical Processing. The course overall is mostly comprised of input and output calculations and concepts with regards to open closed and isolated systems. For those who did not like physical chemistry, rest assured that this second term chemistry course is hardly similar to its first term counterpart. There is no real homework in this course, however, the tutorials are where you practice what you have learned and are therefore mandatory. Since there is also no text book you really have to pay attention in lecture and make sure you take down everything; even things that are not written on the board. Be sure to compare your notes with your friends and ask questions in class since the tests are directly based on the lectures.

Aside from the class component of this course you also have a lab component. The labs are interesting and fairly diverse but beware of the fact that they are three hours long and usually in the late afternoon. Everything in this component, including the final course project, is done in groups. The only thing you do on your own is the weekly quiz that checks to make sure you did your lab readings before you came to lab. Overall, enjoy this course's theory focused base, it is a nice deviation from the other calculation heavy classes that you will have.





ACADEMICS

CIV101: Structures, Materials and Design

This course is essentially an introduction to civil engineering. It covers topics such as 2D and 3D vectors, moments, forces on rigid bodies, stress and strain on a beam, beam selection, trusses and hydrostatic pressure. For almost all of the problems in this course, remember that the sum of all forces equal zero, and the sum of all moments equal zero. Some students have trouble with this course, so make sure to stay on top of course work. Students usually enjoy the bridge design assignment which makes use of software. The most difficult thing about this course is the weekly tutorial assignments. Although they are challenging, you can get help from your peers, TAs, and the professor. Furthermore, they are highly indicative of the types of questions that come up on the midterm and the exam. Use them to study. It is also helpful to use old exams when studying for the final.

MAT186: Calculus I

This course starts with a review of trigonometry and trigonometric identities. Be sure to learn this material very well, because it will come up throughout the rest of the year in calculus and also be heavily featured on tests and exams. After this, you will watch all of the calculus you learned in high school—limits, derivatives and their applications, curve sketching—get compressed into two months. The course then heads towards the land of integration (useful for finding the area under a curve, should you ever be bored enough to attempt this) which is crucial to Calculus II. Although you might be familiar with some of the topics, make sure you do ALL of the homework for the course. This course covers the material in greater depth and will test the most challenging elements. If you want a good mark in the course, do as well as possible on the term tests and quizzes. The final exam is extremely difficult and is designed to decrease the class average. It will weigh heavily on integrals on their applications. You can get a good mark in this course if you do all the homework and take full advantage of past tests and exams!

APS111: Engineering Strategies and Practice I

Engineering Strategies and Practice is a short form for Engineering English. This course is taught to all non-Engineering Science first year students in Convocation Hall. The purpose of the course is to teach students about the design process and engineering writing. Although some students may not like the course because of its lack of overt math and science, it will likely offer some of the best professors you will have during your first year. Lecture covers major aspects of the design process, engineering communication, and team skills. The key part of this course, however, is the tutorials. Everyone has a design team which will be assigned to design a pet toy for a fictional client. Your team will go through the design process and submit a Conceptual Design Specification (CDS). This is a document that engineers use to show the client their understanding of the problem, their considered designs, and their proposed solution. At the end of the course, you'll be required to submit an Individual CDS; for this, as you can well imagine by the name, you're pretty much on your own. Make sure you write in your engineering notebook, as it will be evaluated based on how well you keep track of your team's activities. There will also be tests that should not be underestimated (they are usually mostly multiple choice). Learn your term notes well in order to do well.





ACADEMICS

APS112: Engineering Strategies and Practice II

This course is simply a continuation of APS111. The crucial difference is that students now have a real client for whom they need to solve a design problem. Students now need to master the etiquette of meeting and communicating with a client. This course is more intense than APS111, because your team has more documents to produce. However, it is also more rewarding because you feel like your efforts and ideas are going to be valued and perhaps even used by someone. Lecture material covers project management, more design process and some very interesting lectures about human factors. There is no final exam in the course, but students do a final presentation to their client about their design instead. Once again, make sure you keep your engineering notebook updated. It will be evaluated at the end of the term. If you put an effort into this course, you can learn a lot of relevant, rewarding and important things about engineering communication and teamwork skills, as well as the design process. Teamwork is extremely important for passing this course. Although it might help if you didn't try to kill each other, you don't have to like your team members to be able to cooperate and get a good mark in the course. Do your fair share of work since a portfolio of it is worth a quarter of your mark at the end of the term.

APS106: Fundamentals of Computer Programming

With regards to programming, there is quite a spread in the ability of first year students. Some have been programming for years, while others will never have dared approach the subject. The good news is that it is entirely possible for a student who has never programmed before to succeed in this course. The lectures cover the material well, and practice problems and their solutions are provided on the course website. There are weekly computer labs, which range in difficulty from week to week. Staying on top of course material will be an invaluable asset to finishing your programming assignment within the allotted time. There is also a large group programming project. Most students enjoy the project, but make sure to start it ahead of time. It is too large to do the night before the due date. Although the midterm and exam will be open book, they contain tricky questions. In fact, you might find that your notes won't help you at all (especially for writing functions). Using past exams to study from is quite beneficial.

MAT187 - Calculus 2

If you loved calculus one then you will probably enjoy this second dose of calculus. If not, then just be happy to know that there are only three installments of calculus courses in engineering and that you are almost half way done. This course continues where you left off in the first term by building on the integration concepts that you had so much fun with in first term. The one downside to this course is that everything is taught really quickly and you will be covering all new material - you literally hit the ground running and you just keep on going. The homework will definitely help you out with practicing the concepts and studying for the tests and exams. The text book is also pretty good at explaining the lessons -- don't worry if the proofs make little sense. On the other hand, do not get a false sense of security from the midterms since the exam is tricky and you will need to do quite a bit of studying in order to do well. Embrace your inner mathematician as you learn about some interesting looking graphs - all in all take this course in stride and try to have some fun with it (even if it does mean having to memorize 20 integrals, we're not exaggerating).





ACADEMICS

MSE101 – Applied Science: Materials

Have you been wondering what exactly MSE is? This course will give you the answer. You will start off with some simple quantum mechanics and periodic table review from grade twelve chemistry but beware that the course gets rolling pretty quickly. Basically, you will find yourself studying a mixture of physics and chemistry – think of it as engineering on the atomic level. The text book is great at explaining the lessons in a simplified way however that does not mean you can skip lecture – the profs cover quite a bit of extra material in lecture so make sure you are there. Do as many homework questions as you can since the test questions are usually very similar to these questions. Despite these similarities the tests are pretty tricky, use past tests to practice and prepare. The labs, there are 4 of them, will take you about 12 or more hours to complete but they will raise your mark significantly (trust me you will need those marks) and will greatly aid in your understanding of the key concepts in each unit. I personally found this course very interesting since it gave chemistry an interesting slant (not twist, slant). You will learn some cool things about materials (and materials selection) and may find the need to impress your artsy friends with your new found knowledge regarding precisely why a given object broke or reshaped itself at a given time.

MAT188 – Linear Algebra

If you took Algebra/Geometry and Discrete Math or Data Management you probably remember those friendly neighborhood matrixes. You will now be learning more about matrixes than you ever thought possible but do not fear, as long as you keep up on the homework and readings you should be fine. Read the proofs in this course since they can really help you understand otherwise awkward theorems and other proofs in the homework and tests. You will soon notice that this course tends to reuse theorems and call them different names – don't let this confuse you, when the course is complete you will realize that almost every theorem or lemma is related in some way. The best advice I can give is to take breaks while doing the homework since you can easily become cross-eyed and often a few minutes or hours or a good night's sleep can help you feel as good as new. Ask questions during lecture and get help on the tricky homework questions: this is another course where they love to use questions that are similar to the homework on the tests and exams.

MIN185 – Earth Systems Engineering

This course is an introduction to mineral engineering. It is essentially a survey course of major topics in mineral engineering. Qualitative subjects such as maps, rocks, minerals, gravity, landslides and energy are covered. Quantitative subjects include stress rotation and tunneling. There are also lengthy labs to be completed most weeks of the term. However, students are not always completely prepared for the lab in lecture, so be ready to learn new things from the TAs and your peers during these sessions. The labs also require the extensive use of rulers, protractors and calculators, so bring these along because they are almost undoable without them. Most weeks, there is also a guest speaker who comes in to talk to the class about topics in mining. If you are conscientious and study for the midterm and exam, you can get a good mark in this course. Who would have thought you would want to know so much about rocks!?





ACADEMICS

APS105 – Computer Fundamentals ⚡⚙️1

If you programmed before, this is perhaps the easiest course for you. If you haven't, then go to the lecture; the extra help session (which teaches C, the parent of C++) also will be useful to you. Biweekly tests in tutorials keep you attending them, though they don't reflect the content on the final exam. Past exams prove very very useful in this case. Early on, labs can be completed within the two hour time slot allocated, but quickly as they get harder and larger, finish your labs beforehand so you can ask TAs questions – make them earn what they're there for! Memorize the basic algorithms, and break down the problems and labs into their basic components, and you'll do fine. Drawing boxes and arrows helps for keeping track of pointers and linked lists – but they won't get you marks on the final. Thinking for a while, then writing some of the code will get you part marks and is better than writing a complete program of bullshit – pseudocode may help you depending on the TA's mood.

MAT196 – Calculus A ⚡⚙️1

If you're the lucky soul who had AP/IB calculus during high school, you can skip the first week. Otherwise, you can expect the essentials of calculus, derivatives and integration. You'll be required to know the dreaded delta-epsilon proof, a mishmash of greek letters which you'll never use again unless you switch to a math major.

Doing your homework is essential in this course – you will spend more time with the solutions manual than you will with your best friends, so don't forget to buy it. To fall behind is to be defeated, and memorization is the key to success. The textbook proves invaluable to learn the many small (yet vital to that 8 mark question) theorems. Almost forgot to mention, no calculators or tip sheets allowed.

ECE101 – Introduction to Electrical and Computer Engineering ⚡⚙️

The easiest course you'll ever take – one hour of a professor explaining their research a week, and ten minutes of online evaluation and you're set. They give a good idea of what to expect in the upper years for when you choose your specializations. Lecturers are hit and miss, they can either be fun or a good time for a nap. Take notes, or find a friend who does – the weekly online tests take their content directly from the lectures, though most things aren't impossible to be googled. TAs are vigilant checking for those watching movies on their laptops, so find out other ways to stay awake, like estimating the size of font on the Powerpoint.

MAT197 – Calculus B ⚡⚙️1

Remember integration from last term? Be prepared for more, lots more. Integrate your breakfast, then lunch, then integrate those three-day old leftovers you had for dinner. Like Calculus A, memorizing a mass of integrals and theorems and keeping up with the homework is the the path to the closest you'll get to success. Also again, there are no calculators or aid sheets allowed. Drop out, your mark will be the same because English is an optional requirement to teach the course.





ACADEMICS

ECE110 – Electrical Fundamentals 1

Electrical Fundamentals – you either get it or you don't. This course basically covers a little bit of everything electricity-related. Electromagnetism, circuit analysis, and a lot of equations. Oh, so many equations. You won't be provided with a cheat sheet for quizzes and the exam, so make sure you memorize them all (yes, it's insanity). Labs are going to be your savior, since they make up a fifth of your mark, and it's almost a guaranteed perfect as long as you show up and do your preps the day before.

The textbook is only good for practice questions, so don't try learning from the textbook – go to class. In this case, practice really does make perfect – practice questions really help! By the end of the course, make sure Thevenin, Norton and Kirchhoff are your best friends.

MIE100 – Dynamics 1

So, dynamics in physics class wasn't so hard in high school, eh? Well, once you're done with MIE100, you will never feel the same way about dynamics again...ever. Notoriously known as the hardest first year course, dynamics could give nightmares to the faint-hearted.

The profs and the TAs will make this course seem easy, and sometimes you will catch yourself thinking – 'why are people making such a big deal out of this course – it's easy!'. Don't let the first few 10/10 on the quizzes fool you...because this can lead you to your doom. After you start getting into angular momentum, things just roll downhill (no pun intended) from there.

Make sure you attend classes regularly, skipping is NOT recommended for this class. Study for your quizzes because getting marks from the quizzes is a gazillion times easier than getting marks from the exam. In fact, the MIE100 exam might be the single most frustrating exam you will write in first year. The textbook is pretty good; make sure you do the problem sets even if they're not for marks – they'll help you a lot, trust me.

MIE191 – Introduction to Mechanical and Industrial Engineering

The single easiest course in first year, it only takes up 1 hour of your time per week, and it only requires you to sit in a lecture and listen for an hour about different fields of mechanical and industrial engineering. There's no credit granted for this course – but attendance is taken, so you're only allowed to skip 3 lectures. This is a seminar style course, and will be beneficial for those who are torn between mechanical and industrial engineering, as it provides an overview of the different branches of work and study in mechanical and industrial engineering. Just take a few mental notes during these lectures, because there'll be a quiz at the end of the year. Don't worry, the questions are easy, and they don't try to fail you – but try to get a gist of the lectures if you don't want to risk repeating this course the year after.





ACADEMICS

APS104 – Introduction to Materials and Chemistry 1

So you want to know what to expect in this course eh? Well too bad, this thing is brand spanking new, sorry ECE's and Track One's, you're on your own. This course should resemble a combination of MSE101 and CHE112 (but this is no gaurentee). Here is the blurb from the academic calendar:

This is an introductory course in materials science and physical chemistry. Topics include: fundamentals of atomic, structure, the nature of bonding, crystal structure and defects, the laws of chemical thermodynamics (including a discussion of enthalpy and entropy), reaction equilibrium, and phase equilibria. These basic principles provide the foundation for an exploration of structure-property relationships in metals, ceramics, and polymers, with emphasis on mechanical properties.

Figure this one out and tell us next year :)

APS101 – Computer Programming

Yo Indys (no thats not a typo anyways, brand new course. You use to take APS105 but now it's this. We can only safely assume it is similar. Once again, the blurb from the Academic Calendar:

An introduction to computer systems and problem solving using computers. Topics include: the representation of information, programming techniques, algorithms and program organization using objects, array and pointer-based data structures (including stacks, queues, linear lists, and trees) searching and sorting (basic compute-organization), operating systems, and applications. The laboratories reinforce the lecture topics and develops essential programming skills using Java.

Bon Appetitel

APS191 – Introduction to Engineering 1

Yeesh, another Track One course, the Academic Calendar says:

This is a seminar series that will preview the core fields in Engineering. Each seminar will highlight one of the major areas of Engineering. The format will vary and may include application examples, challenges, case studies, career opportunities, etc. The purpose of the seminar series is to provide first year students with some understanding of the various options within the Faculty to enable them to make educated choices for second year. This course will be offered on a credit/no credit basis.

I don't know how to explain it to you guys... but once again, we have no idea what this course encompasses or even teaches. Sowweeeeeeeeeee.





ACADEMICS

Engineering Science Anti Calendar

You guys
think you're

special being EngSci... well you are! So here's your stinkin' anti calendar much like the one before... BUT STINKIER! Be afraid.... very afraid.... just kidding :D.

MAT194/195 – Calculus I & II

The Stewart textbook is actually quite useful (you'll be lugging it and the accompanying 2 answer manuals for the year) and it comes with a lot of examples and formulas that you will need. The professors aren't sadistic, they only want to challenge you and hope that you will read the material more once you get home. The weekly quizzes are alright and keep you on track with the course, so attendance is mandatory (a quarter of your mark comes from those 2-question babies, so the author would like to define mandatory as "let's not be an Artsci"). Sometimes, you might be confused by class lectures, but that's okay. Do the assigned homework so you can have a sense of the different types of questions asked on the term tests and exams. There are a lot of questions, but spread out, it's alright. Oh, and memorizing all the formulas is pointless, as you can pretty much derive it without them: Trig and integration is more important, so learn that quickly if your education is an OSSD (i.e. from Ontario).

CSC192 – Computer Programming, Algorithms, Data Structures and Languages

Apparently, this course is recommended for students with some programming experience, but taking this course is actually easier than the beginner's one for a number of reasons: You get all the material taught in the easier one in half the time, you get your books to bring in for the final exam, and you have the powerful Applied Science Mark Adjustment Factor. It basically insures that if you do everything with even a shoddy standard, it is virtually impossible to fail when 20 marks are added at the end of the year. Just read the slides, attend lectures where you don't understand the professor's notes, and do as much as you can when your program doesn't work. Do it for your mother and father, and if not those, then at least for the free elective you get next term. I recommend taking "SAD101: Self-administration of drugs for personal maintenance and hiding hygienic flaws: A dystopian future for programmers in the 21st century."

CSC190 – Introduction to Computer Programming

This is where the 2nd rate programmers enjoy a year-long stretched out version of CSC192 (The course above). Just because you are a relative newbie when it comes to C++ doesn't mean this course is easy. Memory will come in handy, as the tests only provide you losers with a single sheet to write your algorithms and draw on. Now, some might say how virtually no one fails CSC 192, that it's a safer option. That is true. But if you haven't planned on switching, just enjoy a nice long year of exciting computer programming, a fascinating adventure into the world of late nights and bright lights, albeit with loud beeps of 'SYNTAX ERROR. YOU ARE A FAILURE. THIS PROGRAM WILL NOW SELF-DESTRUCT.'





ACADEMICS

CIV 102 – Structures and Materials

There are no textbooks for this course, so note-taking of the Claire-Fontaine notebooks is highly vital, as they are a cheat book during the final exam. I recommend drawing many sketches of Professor Collins, the legend of 30 years with an English accent, voted most popular last year. The weekly quizzes will cause some stress, and problem sets are posterior fissure-forming fairly challenging and a lot of "group collaboration" will be necessary. The exams in the last few years have been somewhat similar, so copying the last few years of exams and copying the methods of solving them on the final exam is somewhat unfair, but will relieve a lot of the strain put on you. If you attend all 39 lectures, it should tell you everything from having a moment with a couple, how 5 football players manage to stand on a square metre, and how Hooke is superior to pansy-boy Newton. I know that sounds awkward, but to bridge matters, let's be civil about it and enjoy the course.

PHY 180 – Physics I

It's a fairly interesting course that talks about the basic principles of physics that are useful for most everyday things. Pretty tricky problem sets (feel free to "collaborate" in groups to "understand" the answer), and a best of 2 midterms guarantee you an okay mark going into the final exam. Just make sure you don't slack off, as there is a lot of material that is covered, some of it not in class. You will reminisce the lovely October evenings spent gazing at the stars, sipping cool lemonade and trying to get that last problem. Or you could just scramble and mass-spam your friends for e-mail hints, and become HULK SMASH slightly irritated when they mark the easy 1-step question.

MAT 190 – Matrix and Vector Algebra

This is a refresher course for the people who didn't take it in high school. You have your arrows and your triangles and your right angles and what not. The Lyryx labs that accompany them are terribly easy, as you can find the answers by plugging in the numbers into the applet on the course website where you take them, plus you get unlimited tries in case you make a mistake.

BME 105 – Systems Biology

Warning: This is the course that has many students failing multiple quizzes throughout the year. It's a look into well...biology of different... life systems. Generally, if you understand the material presented, that's good. But if you memorize and discretely categorize the information, that's better. This will be the only class that has you circling multiple choice answers like "a, b, and c only on Thursdays." Basically, all the material covered will be on the several million slides that you will print, but make sure that you understand the application of it as well. Also, all of you smart-alecks who thinks it's clever to write down everything you know in hopes of getting a chance mark here and there as an excuse of your lack of knowledge? It's expected that you write only what is absolutely necessary and needed, or Mr. Mark Deductions will be owning your ass visiting your tests many a time. Last year, this consisted of people reading the slides for that week's lectures and acing the quizzes. The midterms and final exams were a different story altogether, much more difficult in material.





ACADEMICS

CHE 119 – Thermodynamics

This course will make you understand how hot a piston can get when it's pumping hard into a container. $PV = nRT$ is the magical equation that has about 20 other variations. You will be given the giant textbook for the first test and a HUGE OMGWTFBBQ GIANT LIST reasonable compilation of them for the final exam. Since the equations are given, practise the assigned questions. If you understand the question itself, the equation that is applied will come to mind. The quizzes will be relatively easy compared to the final exam, which will test your very manhood (I'm speaking on a non-sexist, statistical and aesthetic basis here). Enjoy 4-step problems! It's a lot of work, but don't let it displace you. Stay calm and try to make sense of all the chaos in the universe.

PHY 190 – Relativity

This course will pass by so fast, it will turn to light itself... wait... anyways, this class is the other quarter course and it just introduces you to things that go really fast. Problem sets are easy, midterm is nice and short, and the final exam is reasonable if you get the basics.

ESC101 – Praxis I

Some people joke that it's the college course of the program, but this class is serious. So serious that by the time it ends, you might have a proud smile of your work thus far. Or you could be shaking from the terrible draft you did. This class consists of everyone looking at a single project and designing for it. This pretty much means that everyone looks at the same references, and because of certain influences of the TAs and professors, creates a relatively similar product design. You will learn to worship the Salginatobel bridge, and that creativity is really innovation in the form of modern applications, aka "borrowing" from old ideas. You'll spend time wondering, "Is this a good reference? Well, maybe, I think so. I hope. Please?" Just be as descriptive and brief as possible, and remember, it's not the bridges fault.

ESC102 – Praxis II

While Praxis I assigned a designated product for everyone and gave them no chance to do something they wanted, this Praxis gives everyone to form groups and have a chance to design something they want. To pass this course, I suggest putting yourself amongst two bright and cheery individuals with strong moral and friendly values. That way, when it comes to evaluation and working, you can sit and enjoy the show. Of course, if you choose incorrectly, those people might cause you to fail via mark-distribution at the end, or make you do everything. However, the author has first-hand experience and would like to strongly recommend that when grouped with members of a quality described as "jerkface" "laissez-faire," PLEASE do everything or you will not be laughing when your whole group suffers for the actions of an individual. If you are in a group of two, you should definately split up and making two groups of four, as you will be expected to create the same amount of work.





ACADEMICS

ECE 159 – Fundamentals of Electricity & Electric Circuits

Do you like things that come around and the exciting world of op-amps? This course will make you scream "I love Siemens!" in bliss! The tutorials are very important, as they will have explanations of major problems that will be encountered for this course. I suggest note-taking in class, as the writing can be a little hard to make out online, also, use multiple coloured pencils/pens and number your steps because it's going to look horrendously hilarious when you end up with a finished problem with no means of understanding how you got them after.

MAT 185 – Linear Algebra

The author would like to express empathy for his fellow kinsmen for having to look at the Nicholson text again. Fortunately, great handouts given by the professors at convenient times detail all the essential information that is needed. I highly recommend attending the lectures, and looking for alternative sources of information online/on Wikipedia. This course basically gives you the answer; just understand the format of finding the answer. Oh, and you'll hate your textbook when it states answers to proofs like "The solution is CLEARLY blah blah."

Track One

Track One is the newest addition to the Faculty of Applied Science and Engineering at U of T. Track One is not a program but just an 'entry point'. It is designed for students who have no idea what they want to do so they can put off their decision for yet another year. Track One students take a combination of all courses that make each engineering unique resulting in slightly heavier course load than a regular Frosh (that isn't EngSci). You'll be taking courses with all other disciplines except for a Track One seminar and a combined Materials and Chemistry course. As a Track One student, you'll be able to transfer into any other engineering discipline (except EngSci) after your first year gaurenteed. Usually, if you're in a normal program you need a 65+ average to apply and an 80+ average to be gaurenteed a transfer. You'll also be able to boast to all the other engineers you're in the sort of 1337est regular engineering program (but only for a year). Hopefully you won't wish you made a decision sooner. Good luck!

P.S. Each discipline usually has a common room and first year representative but since Track One isn't really a discipline, it doesn't seem like you have common room or a rep... o well :p





CLUBS



TEAMS



World: All Around Skule

If you're finding that the you have spare time after playing the Academic Level, explore some fun territory. This territory is known as Skule™ Clubs and Sport Teams. There are a variety of clubs and teams that will appeal to all players, both amateurs and experts.





CLUBS AND TEAMS

Discipline Clubs

Don't want to be in a club? Too bad! you're already in your discipline club (except for maybe Track One's). Come out, enjoy their events and go chill in your common rooms, its a home away from home so enjoy it.

Civ Club:

Hello Class of 1T1.

The transition from high school to university can be a difficult one for even the most well adjusted. With a monstrous campus and student body, at U of T it can be easy to feel like a small fish in a big pond. Luckily, the civil engineering department has taken equally large steps to support its students.

The civil engineering club is just one of the many social clubs supported by the engineering faculty, and its aim is to accomodate the needs of civil engineering students both socially and academically.

With frequent socials (we call them "smokers"), participation in the Great Northern Concrete Toboggan Race and various city outings, the civil engineering club not only provides opportunities for students to network with their own class and upper years, but also a place to relax.

The civil engineering common room, outfitted with comfy leather couches, various "borrowed" signs from other universities, a foosball table and of course a microwave, is a great place for students to relax between classes and spend some social time with their classmates outside of the lab.

Any upper year student will tell you that the key to a successful first year is moderation. While the work load may be heavy it is important to balance school with a healthy social life. Just as high school seemed to be over before it started, these next 4 years will happen very quickly. This means that to get the most out of what the U of T Civil Engineering department has to offer you have to GET INVOLVED.

Start early, come out to civ club functions, meet people and make the most of your time here. Most importantly, the civ club aims to make sure the needs of all civ students are being met. If you're having trouble socially, academically or maybe even heigenically (we won't judge), stop by the civ club office (GB 123) and we'll help you out or point you in the right direction. So close your mouth when you're in the dye, don't eat too much street meat and have a great year!

Katelyn Margerm

Civ Club Chair 2007-2008





F!ROSH HANDBOOK ITI

CLUBS AND TEAMS

Engineering Science Club:

The Engineering Science Club is your link to the rest of the Engineering Faculty and anything NSCI. We are the ones organizing social events (there is more to Skule than the classroom) and academic resources specific to Engineering Science students. This year, be on the look out for Dodgeball, NSCI Dinner Dance, ESEC, Chariot Race, BBQs and Book Smokers. You can find out more about who we are at <http://engsci.skule.ca>.

Industrial Engineering Club:

The Indy Club is here to make student life more enjoyable for Industrial Engineering students! We're most well known for organizing the annual MIE Dinner Dance, but we also represent Indy's at MIE department meetings and Engineering Society meetings while planning fun events to bring MIE students together! Often collaborating with the Mech Club, events we have run include book-swaps, Coffee Houses, BBQs, pizza lunches and MIE getaways to Hart House farm. You can get involved with the Indy Club by running for class rep this fall. For more information, check out our website, www.mie.utoronto.ca/ieclub/, or email us at ieclub@mie.utoronto.ca.

Mechanical Engineering Club:

The Mechanical Engineering Club loves you. We are awesome, awesome like a possum some might say. When we're not busy holding wicked events or winning the Chariot Race, we're probably doing something else that's equally sweet. Come join us! Some of the events you can look forward to are friendly smokers where you can meet other Mech students, the lavish Mech dinner dance where you can get all dressed and powdered up and look all pretty, meat-filled (and vegetarian...) barbeques, a fourth year trip to Montreal (experience of a lifetime!), and a coffee house. We're always looking for new ideas and opinions from all our Mech students, it helps us make Skule™ that much more awesome for everyone! So, come out and help make your UofT Engineering experience complete!

Mineral Engineering Club:

The Mineral Engineering club is the most intimate and relaxed club you will ever join. Hardly a week goes by without at least a smoker, a movie night, or a poker night. The year is topped off by the best engineering student dinner dance, set in a very upscale restaurant (bring your Sunday best) with a meal to remember. Also, at least a couple of out of town field trips each year are the source of many amazing stories and memories.

Materials Science Club:

Being a part of the Materials Science and Engineering Club is a great way to STEEL advice for school work, and to find good jobs. It is VERY IMPORTANT that you talk to upper year MSE students to STEEL the most out of engineering, be successful, and do what you want in life. The club also gives you many chances to join events throughout the year where you can STEEL away from homework, have cheap or FREE FOOD and have fun. GO TO <http://mseclub.skule.ca> to find out about STEEL events, and all that the MSE club has to offer. STEEL.





FIROSH HANDBOOK ITI

CLUBS AND TEAMS

Chemical Engineering Club

Hey FIROSH welcome to Chem Eng! Chem Club brings you lots of events, so that you can have fun even when it's not Firosh Week! Enjoy our annual events such as the smokers (where you'll get to mingle with Chems of all years), the Chem Dinner Dance, ski trip, bake sales, fooseball tournaments (that's right, we've got two fooseball tables), BBQs and much more. We even help with the academic stuff, running book swaps and putting together course packages. Look out this year for our new charity events, soccer and basketball tournaments, and other crazy events. Don't forget about the Skule™ wide events too, like the chariot race and the new monthly interdisciplinary competitions. And don't forget to stop in at our Common Room, WB238. If you have any questions email us at chemclub@skule.ca or check out our brand new website at www.ecf.utoronto.ca/~checlub/.

Electrical and Computer Engineering Clubs

Welcome, Firosh, to the best discipline club at Skule™! The Electrical and Computer Engineering Clubs, just like the disciplines themselves, are two separate, but very tightly knit clubs. What do we do? We look after our common room – currently in the Engineering Annex. Our common room contains many things, including cable TV, a free phone, foosball, and much much more! We have old exams and survival tips on our website, <http://ececlub.skule.ca>. We also run events to allow you and your friends to get your mind off studying for a bit. There's a Dinner Dance in November, smokers (no actual smoking involved, just casual get-togethers with cheap food and drinks), movie nites, barbeques, foosball tournaments... and if you want to see an event, e-mail us and we'll make it happen! Become a class rep, or even just send us an e-mail at compclub@skule.ca or elecclub@skule.ca, or just drop by our club office in SF B640. We'd love to get you involved!

Atheltic Clubs

Iron Dragons:

University of Toronto Engineering Dragon Boat Team

web: <http://dragonboat.skule.ca>

email: dragonboat@skule.ca

The official Skule™ dragon boat team is composed of University of Toronto Engineers and coached by Engineering Alumni. Founded in 1997, the team is affectionately known as the loudest and most spirited team on the water, and respected as a force to be reckoned with. The team trains from May to September and participates in several regattas throughout the summer, including the Toronto International Dragon Boat Race Festival at Centre Island.

If you are looking to meet new people, get into shape, participate in a high intensity water sport or to just have fun, the dragon boat team is for you! Our recruiting season usually starts in March, however we also run introductory workout sessions during the Skule™ year. The team is open to all engineering students and no experience is required.

Check out our website or email us for more info.





CLUBS AND TEAMS

Design Clubs

University of Toronto Consulting Association (UTCA):

The University of Toronto Consulting Association (UTCA) is a student run organization that aims to connect UofT students with professional consulting firms. UTCA hosts several events throughout the school year that allow students to gain exposure to the consulting world.

The University of Toronto Consulting Association (UTCA) is a student run organization that aims to educate the University of Toronto community about the field of consulting including Management, Strategy, and Information Technology, and to raise awareness about the career opportunities available within the industry. UTCA seeks to provide support to students interested in pursuing a career in consulting by accomplishing the following:

- Form mutually beneficial partnerships with firms in the industry and provide students with networking opportunities. In the past we have hosted events with firms like McKinsey & Co, Bostong Consulting Group, Deloitte's Strategy & Operations Division, Mercer Management Consulting, to name a few
- Organize various seminars/workshops featuring guest speakers from the consulting industry and an Annual Business Case Competition
- Provide a forum to practice case interview skills prior to the recruiting process
- Provide students with real-world consulting experience through our Volunteer Consulting Group
- Acquire resource materials including a selection of practice cases, tips for solving cases, industry information, firm specific literature, and a list of industry contacts for the Consulting Reference Library

Regards,

UTCA

International Genetically Engineered Machines (iGEM):

International Genetically Engineered Machines (iGEM) is an undergraduate Synthetic Biology competition. Student teams are given a kit of genetic parts at the beginning of the summer. They use these parts and new parts of their own design to build biological systems and operate them in living cells. Past teams have attempted to use these cells to cure diabetes, make cell lithography, emulate oscillators, and curb sepsis shock. During the first weekend of November, students present their work at the iGEM Competition Jamboree at MIT in front of a panel of expert judges and have a chance to win prizes. They add their new parts to the Registry of Standard Biological Parts for the students in the next year's competition. iGEM is growing rapidly and anticipates to have 100 teams from all over the world for the 2007 competition. For more information, visit <http://igem.skule.ca/>.

Source: www.igem2007.com





CLUBS AND TEAMS

Design Clubs

University of Toronto Mechatronics Design Association (UTMDA):

UTMDA is a student group that participates in the Autonomous Underwater Vehicle competition held annually by the AUVSI in San Diego. We design a submarine from start to finish that incorporates vision and sonar to complete various challenges. For example, in the past competition, last July, our vehicle had to perform tasks such as following a pipeline, finding a light buoy and locating a sonar beacon to surface on top of it. Where can you find us? Just e-mail us at mech.design@utoronto.ca.

Competition: <http://www.auvsi.org/competitions/water.cfm>

Official Website: <http://mdasa.utoronto.ca/>

U of T Aeronautics Team (UTAT):

The U of T Aeronautics Team is a multidisciplinary student-run design team that competes in intercollegiate aeronautics competitions. In 2006-07, we competed in the SAE Aero Design and CASI Free Flight Competition. The goal of the SAE Aero Design is to design and build a radio control aircraft that can lift as much weight as possible. For CASI Free Flight Competition, the objective is to design and build a free flight glider that can sustain long flight time while carrying payload. The U of T Aeronautics Team offers students the opportunity to apply their technical knowledge and creativity to real-world engineering projects. For more information, visit our website at <http://utat.sa.utoronto.ca/>.

Engineering Lego Group (ELG):

<http://lego.skule.ca>

Remember playing with Lego when you were a kid? Still do? Then the Engineering Lego Group is the club for you!

Going into our first year of existence, the ELG will be a place to come and unwind from the stresses of engineering and let the kid in you run wild. We will be meeting once a week in the SF atrium and building to our heart's content. Everyone and anyone is welcome to join, and we'd love to have lots of Firosh to swell our ranks, so come on out and build something!

As a group, we're looking ahead to the future and planning big things - there may even be an international competition in the works - so keep your eyes and ears open for news about our events throughout the year!

We hope to see you all come out and help us build our club, brick by brick.





CLUBS AND TEAMS

Cultural Clubs

Korean Engineering Students' Association (KESA):

KESA is a cultural engineering club run by Korean engineering students for past 25 years. This club governs and organizes various events and services to promote the valuable experiences in university life of engineering students.

KESA holds numerous annual events for students, especially for first year students, to help them enjoy their academic and social life at the University of Toronto. The major events for students are General meetings, Orientation, Membership Training at Hart House Farm, Ski Trip, Cocktail Party, and Job fair. These events are meant to help making network connections between first and upper year students, supporting students to survive their academic years and having fun at the same time. KESA also runs the KESA Math Competition and Information Seminar for high school students to inform what the engineering is about and what kind of problems engineers face. There are reunion events for graduate & undergraduate students to keep in touch. KESA also has a basketball team, which won the 1st place this year in the division 4 league at the U of T.

KESA can be very beneficial for first year engineering students for both academic and social needs since upper year students are always there to help first year students. First year students can easily get in contacts with their senior students in specific areas by participating in the events from KESA. You can see more details about KESA at www.utkesa.com

Musical Groups

Stageband:

The SkuleTM Stageband is made up mostly of Engineering students (though anyone is free to join!) who share an affinity (possibly of the electron variety) for jazz, big band, latin, and fusion music and enjoy entertaining their peers at various events throughout the year. The band typically plays several major gigs, including Cannonball, Gradball, Jazz at Oscars, EngSci Dinner Dance, Stageband Suds, and more. The band practices once a week during the year; keep an eye out for our Open Rehearsal in September and come out to show off your stuff!

P.S. after last year's unfortunate smelting accident involving a few trombones and our bass player, mineral engineers will not be allowed in the band (unless they play bass).

Brass Ring:

The Brass Ring is Skule'sTM official brass quintet. It is made up of five engineering students who share a common interest in playing great music, entertaining our peers, and crocheting. Our past events and performances include the SkuleTM Christmas Concert, the SkuleTM Music Concert, the Kiwanis Festival, and our own end of the year concert.





CLUBS AND TEAMS

Orchestra:

Skule™ Orchestra is a 40 member symphonic orchestra of string, wind, and percussion instrumentalists. The orchestra is a place for students to have fun performing challenging repertoire ranging from Bach to Bartok, with some movie music on the side for good measure. We hold weekly rehearsals and various exciting events during the year, including concerts, a clinic, trips to local music events, and socials. There's a lot of opportunity to meet fun people with a shared interest in music. If you played an instrument in high school, this could be the ensemble for you! Be sure to visit us at <http://music.skule.ca>, and watch for announcements of our open rehearsal in September.

If you don't play an instrument, but enjoy music, make sure you come to our exciting events during the year, including:

- Skule Music Concert, November 23, our joint concert presented with the other Skule Music ensembles
 - Moment, February 15, our new Valentine's dance held with Skule Stage Band
 - Symphonic Boom, April 4, our year-end concert, a spectacular finale to the season
- See you there!

More Clubs

International Society of Pharmaceutical Engineering (ISPE):

Interested in becoming part of one of the most technologically advanced industries in the world today? It's all within your grasp as the industry is in need of your expertise regardless of your field of engineering. Come out and be a part of the ISPE (International Society of Pharmaceutical Engineering) Student Chapter at U of T to learn about the opportunities that exist! Learn about the latest technologies in the pharmaceutical industry, network with pharmaceutical professionals and develop skills essential to successfully establishing a career in this field. Get on track now for a future in possibly consulting engineering, academics (pharmacy) and in the development of such things as pharmaceuticals, supplements, medical devices and cosmetics. Visit our website at www.ispe.skule.ca or e-mail ispe@skule.ca for more information. Look out for us at Clubs Day and for our future advertisements about our events!





CLUBS AND TEAMS

Nano Club:

The U of T Nano Club promotes nanotechnology at the University of Toronto. Our members are drawn from a wide spectrum of engineering disciplines at U of T, reflecting the interdisciplinary nature of nanoscience. In addition to fostering links with industry, we organize academic and social events throughout the year to expose our members to aspects of Nano research, related summer jobs, the current status of Nano in industry, and the ethical implications of this fundamentally new type of science. Please visit our website, www.nanoclub.ca, for more information.

CUBE:

CUBE is a student-run club whose mission is to promote biomedical engineering at the undergraduate level. Founded in 1997 at the University of Toronto, our purpose is to disseminate knowledge pertaining to the biomedical field, as well as to serve as a point of contact between students, researchers, and industry. This is accomplished by hosting events such as information sessions on the latest cutting-edge research in the fields of bioengineering, medicine, and biotech; Attending conferences in related areas; Networking with industry leaders during speaker seminars; and hosting plant, hospital, and laboratory tours. The club is run by a student committee and is recognized as an official campus group. Anyone within U of T is invited to join and take part in CUBE events at no cost. For more information visit <http://cube.skule.ca/>. Cheers!

EWB (Engineers Without Borders):

Are you passionate about making a difference in the world by helping to create awareness about eliminating poverty? Do you wish you could talk to more people about issues such as fair trade, international development or gender equality? Do you see yourself as a superhero saving the world? If you answered yes Engineers Without Borders is for you!!! EWB is a national organization that promotes human development through access to technology. Apply for a chance to be the next Junior Fellows working overseas in places like Ghana and Zambia.

Toastmasters:

The purpose of the Toastmasters club is to improve the public speaking skills of its members. Whether you wish to learn how to give grand orations before an enraptured audience, or simply want some pointers on answering those unexpected interview questions, this is the club to go to. We can tell you how to organize your speech, how to control your voice and how to properly use your body language. If you are tired of not knowing what to say in a conversation, if you are tired of being misunderstood, or if you simply want to give great speeches, visit toastmasters.skule.ca or email us at toastmasters@skule.ca

Toastmasters: Because great words should be for everyone.





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CLUBS AND TEAMS

EAA

Website: eaa.skule.ca

E-mail: eaa@skule.ca

If you're looking to get involved in Skule™ then there's no better way to do it than with the help of the EAA. Whether you're athletically inclined or not, seasoned pro or absolute beginner, there is something for everyone!

The EAA is Skule's™ representation in the University of Toronto intramural system and is the largest student athletic association in the University. Through the EAA you have easy access to all intramural sports and programs offered through the school. The list of sports includes:

Badminton, Basketball, Broomball, European Handball, Field Hockey, Flag Football, Floorball, Hockey, Indoor Challenge, Indoor Cricket, Indoor Soccer, Innertube Water Polo, Lacrosse, Rugby, Soccer, Softball, Squash, Table Tennis, Tennis, Track, Triathlon, Ultimate Frisbee, Volleyball, Water Polo.

But the EAA doesn't just offer you the chance to get out and exercise. We offer you an easy way to get out of the classroom and socialize with your peers. Sports are an escape from the bleak world that is problem sets, assignments and exams without the help of prescription drugs.

We hold social events throughout the Skule™ year, where Skule™ athletes can get together and mingle in an all-ages environment at close to campus establishments.

EAA also puts on THE social event of the spring season, known as S-dance. Officially an athletic banquet, S-dance is the place where you get together with your team-mates to reminisce about the sweet moves you displayed during competition and to show off a few new moves on the dance floor. It is an event not to be missed by anyone.

There is more to life as an Engineer at U of T than just academics, so don't be the one left out. Get out, get in shape and have fun with your classmates.

For more information and to sign up for a team, visit our website <http://eaa.skule.ca> or send us an e-mail at eaa@skule.ca

We'll see you out there.

Brent Hanniman

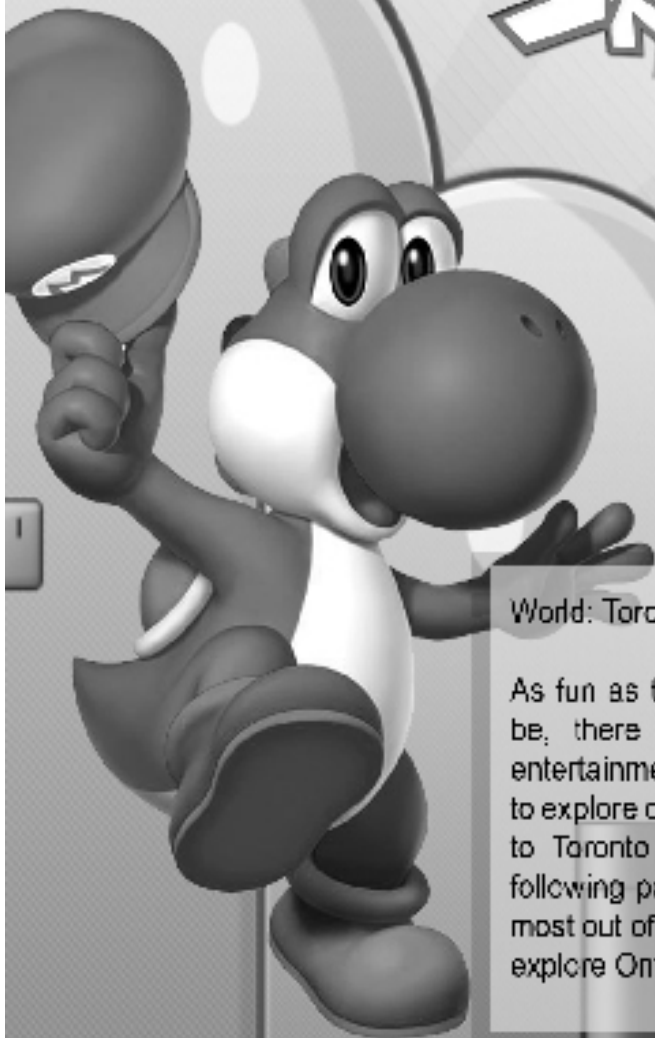
EAA President OT7-OT8





OUTSIDE

SKULE™



World: Toronto, Ontario

As fun as the world we call Skule may be, there is also many sources of entertainment, culture and other worlds to explore outside of Skule. If you're new to Toronto or city life in general, the following pages will help you make the most out of your journey as you live and explore Ontario's Capital.





LIFE

Guide To Residences

A few tips here and there, what to expect living in Mushroom Kingdom and just more information

about your particular residence because we know they don't tell you much.. Also, if your residence isn't here, its either because someone was too lazy to write it or not a lot of engineers live there. If you're not living on residence... heres some reading material to occupy your commuting time.

New:

New College is one of the residences on campus, and it has several advantages to offer to engineering students. It is one of the closest residences to most of the engineering buildings, offers the highest proportion of single rooms (most engineers get a single room) to first year students and has one of the best cafeteria on campus. Also, it is one of the most multicultural residences, and the cafeteria has vegan and halal options. There are intramural sports teams and an active residence council which organizes several social events throughout the year. However, if you are looking for the romance of an old English university, these needs will be better served by an older residence, such as Victoria College, Trinity College or St. Michael's College.

St. Michael's:

St. Michael's College (or, as they like to call it, SMC) is a hugely artsy college situated on the northeast corner of the U of T campus beside Victoria College. You'll have to walk about 10-15 minutes to get to classes everyday, which doesn't sound so bad-and it's generally not. The problem is that in the winter, you'll have to walk across the Front Campus field and Queen's Park in the FREEZING WIND, making it seem like you're crossing Ice Land stage all over again. Also, because of the distance, you will NOT have time to rush back to the dining room, eat, and rush back to classes, so a meal plan with Flex dollars is essential. Not that you'll want to. The food is, shall we say, not the best quality. If you like partying, you should be able to find one every weekend (and sometimes weekday) because we all know artsies don't have classes. But if you do need to study, there most floors on most residences should be quiet enough for your taste.

Innis:

One of the few suite-style residences on campus, you'll have a kitchen and generous common room to share between 3-4 roommates instead of a meal plan. There's a Dominion about 5 minutes away plus Chinatown and Kensington Market on Spadina for aspiring chefs and a huge variety of restaurants, fast food, take-out and the always decent Innis Café for the rest of us. The building itself is one of the newer and better ones around with 2 big screens, a game room, plenty of study and laundry rooms, and a 24-hour porter. There's almost always something to do around residence, some interesting free activities, monthly house Olympics and the film society holds free movie nights year-round (they sometimes screen yet-to-be-released movies too). You don't need to get along with your roommates to have a good year, but it'll definitely help so keep your fingers crossed. Oh I forgot to mention it have an exercise and music room too





LIFE

89 Chestnut:

As the furthest residence from the main U of T campus, prepare to freeze your chestnuts off in the winter getting to school! Or, you can simply purchase a metro-pass. 89 Chestnut has students from OCAD, Ryerson, and George Brown; in case you get sick of the 50,000+ familiar faces at U of T! This renovated hotel has elevators that break down frequently, fire alarms that go off suddenly, a gym room with missing and broken equipment and a pool you're not allowed to use! Nonetheless, everyone who has lived in 89 Chestnut agrees that it is an amazing experience, the people are fun and outgoing, and the food is delicious (don't get carried away with those Carte Blanche meal plans or else you'll never need a belt again!). Word of the wise: if you are in rush (got an early calculus term test ---likely scenario), take the emergency stairs down to the second floor and take the escalator down to the main lobby - and then act clueless when the front desk gives you hell about it.

Common Room Breakdown

Bored or stressed so you just want to go to your common

room? Here's a list of where and what is in each. Sorry Track One, no information once again.

Civil:

First floor of Galbraith. Foosball Table + Ping Pong Table + Big Comfy Couches. The most smokers and street signs

Electrical and Computer:

Engineering Annex. Study room in first floor of Bahen. TV + DVD + Surveillance + 55 cent mystery pop + nice furniture in study room (which is in Bahen)

Mechanical & Indy:

Second floor of mining. Two foosball tables (without balls) + pool table (without cues and missing balls) + Broken Pop Machine + Suspicious stains on the couches

Materials Science:

First floor of Wallberg. Foosball table + Ping Pong Table + Typical Couch

Engineering Science:

Second floor of Bahen. Big 50" screen TV + Xbox 360 + Heavy surveillance. Sweet computer lab (all LCD monitors)

Mineral:

First floor of Mining. Arcade machine + Cozy (i.e. smallest) room

Chemical:

Second floor of Wallberg. Two foosball tables (bring your own balls) + Ikea-esque furniture + Whiteboard





LIFE

Residence Checklist

Bring this stuff if you're living in residence. And more if needed. Don't Bring TOO much either.

Bedding: Duh! You have a bed just like at home, except these only have the frame and mattress so bring sheets, pillows, blankets, comforters etc. Some people even bring their own mattress but it's all just preference. Most beds are singles.

Alarm Clock: I personally went through first year using my cellphone and iPod as one but knowing some people, you are going to need the loudest most obnoxious alarm clock possible, or else you will miss those early 9am classes.

Ear Plugs: Have an annoying room/dorm/house mate with a loud obnoxious alarm clock/cellphone/iPod? Well you're going to need these for those nights you really need a good sleep (i.e. right before a midterm or exam). Residences do have quiet hours which may or may not be enforced as well as you would like.

Computer: Although engineers have 24 hour access to ECFs (engineering computer facilities) you will think walking to Bahen at 3am in the dead cold of winter with snow up to your knees is a slight hassle to just finish your 30 percent computer programming project. Thus the computer. You don't need a laptop, a desktop will do just fine. Be warned, a computer is a dangerous distraction during studying time so watch out (it'll probably be better to go to a library).

Duct Tape: I cannot stress this enough, I personally went through 4 rolls of duct tape first year and it does EVERYTHING. Pranks, repairs, building stuff and the maybe even sticking things together.

Homey Items: You are living here for eight months, you will want it to be like home as much as possible (except with more freedom). Bring your teddy bears, pictures, favourite blanket, books etc.

Snacking Foods: Yeah, your residence probably has a cafeteria/cafeterium but it's not open 24/7 so bring your chips, cookies, instant noodles (very necessary), water, pop, fruit, juice etc for those late night cravings (although there are many places to eat out or take out late at night around U of T).

Hygiene Products: Yeah, make sure these are easy and quick to use because you do NOT want to miss too many showers just to get to class on time. DO NOT miss more than one shower at a time.





LIFE

Commuting

If you're one of the very many lucky ones, you may be someone who will have to take some form of public transit every day (unless you can bum a ride on Yoshi). You will be faced with many challenges regarding your journey to school every single day. Don't fear as we will provide you with some useful tips!

Pack light. You won't become the envy of all your friends when you arrive to class toting a heavy winter jacket, hefty boots, and three courses worth of work. It looks goofy to have a backpack so filled with books that it appears you are carrying a gorilla or a koala on your back. Save your back some pain and improve your posture by limiting the amount of items you bring with you to school. Be realistic and don't bring more books than you plan on studying that day.

If you will be using the TTC every day, you may find that a metropass will be worth your while. TTC metropasses are sold at the end of every month at various locations on campus such as SAC building located in front of Hart House. Many of these locations (except 89 Chestnut, they take cash only) take DEBIT as the only method of paying so make sure you have one! Metropasses are taxable and cost roughly 20.892857142857142857142857142857 days of school. It's much cheaper than buying tokens and you will probably end up using it much more often than you think! Exact dates and the time of the sale of metropasses are located at the SAC website (www.utsu.ca) and they do tend to sell out so get them quickly!

You will find that the hour (or more!) that it takes for you to commute to school every day may feel like a big waste of time. If you want to make the ride home a little more enjoyable, bring a book or an mp3 player or even *GASP!!one* do some homework! As the semester progresses and you begin to get less and less hours of a sleep per night, you will most likely find yourself sleeping on the bus/subway/GO train. Make sure you have somewhere comfortable to lean your head against and try not to miss your stop!

There might be times when super fun events may happen late in the evening. As a commuter, you have to judge how late you want to stay at school. Check your transit schedules and figure out when the public transit stops running so that you're not stranded at school. If possible, arrange to crash at a friend's residence. After all, sleeping on the floor in a friend's room is much better than sleeping in a corner of the atrium.





LIFE

Health

Surely by now you've heard of the Freshman 15. Contrary to popular belief, this amount of weight can be gained or lost (Mamma mia!). By the law of conservation of mass, if you gain fifteen pounds, your skinnier friend sitting two rows in front will lose 15 pounds. To prevent that from happening, follow what your parents have been telling you all these years:

1. Eat breakfast: it really helps you stay awake in class, or better yet, eat while in class (quietly!) just don't skip the most important meal of the day
2. Eat regularly: chips do not count as a meal, make sure you get your daily dose of veggies, dairy, protein, water and mushrooms.
3. Go to the AC (or Hart House) with your friends!: whether it's just for a friendly game of squash, a run, a game of pool, dance classes, swimming, tennis, basketball, etc. This is a good way of ensuring you stay active and a great way to bond with new friends or catch up with old ones.
4. Use the stairs: going to a tutorial in GB or writing a test in SF almost always is on the upper floors.
5. Have fun: laughing takes your mind off that midterm you might have failed, and it'll make your first year more memorable. I guarantee you won't regret it.
6. Sleep: it makes your brain work faster, smashing blocks easier, and you look better; it's a win-win situation; avoid all nighters, they mess with your sleep schedule so do your homework from day one
7. Relax!: haven't you heard that stress gives you wrinkles and white hair? Find a way to get your mind off Skule™ by watching tv, playing sports, hanging out with friends, just stop thinking about your marks, those golden coins aren't everything (or are they o.O).





LIFE

Libraries

U of T has quite the collection of player's guides to get you through first year. Here's a little about where to find them. Try reading some too.

Robarts:

Don't let looks deceive you, this peacock shaped building is the third largest library in North America and the biggest in Canada. You will need to visit this building at least once in the beginning to get your T-Card. Even though it is furthest away from the engineering buildings, it has many great places to study. It has one of the latest closing times, for late night cramming emergencies. The ScotiaBank Commons on the first floor has computers for use as well as free wireless access with your laptop.

Engineering and Computer Science Library:

This library is found on the second floor of the Sandford Fleming Building. It has desks for individual studying as well as tables for group studying. Group meetings are also held here often. There is also a separate room where talking is not permitted. Several computers are available with internet access. You are most likely to run into friends here just before a quiz or a midterm.

Gerstein Science Information Centre:

If individual wooden desks and large lamps are your thing, Gerstein is the place for you. Be careful to keep quiet at all times as talking isn't tolerated. The nearby University Café has a free microwave if you want to heat a packed meal, although the vending machines are slightly expensive. There is wireless access readily available as well as computers on the first floor for general use.





LIFE

Engineering Buildings





F!ROSH HANDBOOK ITI

LIFE





F!ROSH HANDBOOK ITI

LIFE





F!ROSH HANDBOOK ITI

LIFE

Engineering COMPLEX MAP





LIFE

Food Around Downtown

Cafeteria food can get boring sometimes (as well as packed lunches)

so take a break from killing koopas and head out downtown with some friends and enjoy some food.

Korean Grill House:

Location: 754 Yonge St., 369 Yonge St., 214 Queen St.

This is my pick for eating out with friends (or on a nice date :)). All you can eat lunch/late dinner for \$8.99 and dinner for \$12.95 as well as a nice menu that's not all you can eat. Basically, it is unlimited meat served with rice and appetizers cooked by whoever grabs the meat with their tongs first. This is a win win situation because its fun, tasty, not very expensive and just a flat out good time.

New Ho King:

Location: 416 Spadina Ave.

The greasiest chinese food you will ever find countless students chowing down. Why you ask? Because this place is open and delivering (free with purchases over \$20) till 4am every night. Their menu can be found at www.imhungry.ca

Papa Ceo & Cora Pizza:

Location: 654 Spadina Ave., 656 1/2 Spadina Ave.

Both great pizza places side by side. It's been a duel to the death and neither has given up yet. Both serving great pizza and food alike. Try them both and see whose side you're on!

New Generation Sushi:

Location: 493 Bloor St. W.

Decently priced sushi with awesome service. Best to arrive early because this place it packed all the time. I don't know what it is but they sometimes give you free green tea ice cream (perhaps if they like you). It has got great sushi and should be tried at least once first year.

Future Bakery & Cafe:

Location: 483 Yonge St.

Ever heard of Mongolia Bakery (the famous one in New York with lines around the corner)? Well think of this as the Toronto version. Although I personally have not been, I have still come to the conclusion that this place is possibly the best place to get anything that has even come close to an oven.

Pho Hung:

Location: 350 Spadina Ave.

Never tried pho before? Well you should start here. With pho starting at \$5... its hard to lose. By the way, pho is vietnamese noodle served in soup with some sort of meat (beef, chicken etc.) and personalized with hoison sauce (sweet), bean sprouts, chili peppers and the like.





LIFE

Bars and Clubs Around Downtown

Demolishing 40
beers may be

what we can do, but lets start small and check out some bars/clubs around here. Put on your nice overalls if you want to party in style.

The Guvernment

Location: 132 Queens Quay E.

You like clubbing? This is the place to be. There are multiple rooms here with the complex's total capacity at 10,000. Typically where F!rosh Nite is held and is probably the most well known club in Toronto. This place also hosts concerts for the rocking out flower power type.

Piccadilly Circus

Location 184 Pearl St.

Named after a famous intersection in London, this place is another one of Toronto's smashingest clubs/pubs. There are nightly t-shirt give aways. This place hosted previous Freedom parties. O, and did I mention dancing bartenders?

Ein-Stein's

Location: 229 College St.

Right across from U of T this is more or less the official pub of the engineers (except for Suds but that's another story). Much like a lot of pubs but with at least one crazy exception, on Saturdays and Sundays Canadian Tire money is accepted at par. That is right, for all you people who go crazy and shop at Canadian Tire and have nothing better to do with that money than buy an entire barbeque range with, HOLD ON, this place will take it for exactly what it's worth.

The Rex

Location: 194 Queen St. W.

You like jazz? You like jazzing it all up good style? Okay, I've gone too far with that but The Rex has not! There is jazz all up in this place like crazy (and good jazz too, not the bad kind). Probably Toronto's most well known jazz bar which also boasts a hotel... which I'm not to sure about the details of. O well, bottom line, if you like jazz, come here.





LIFE

Attractions

Completely bored and have too much time on your hands (some how)? Come check out some cool stuff around Mushroom Kingdom.

CN Tower: World's tallest free standing structure on land. Quite the reputation. So if you want to go really high up in the sky and see some nice civil engineering, check this out. Also, if U of T wasn't expensive enough for you, there's a rotating restaurant which will help you in that department.

MuchMusic: Pretty much like MTV but in Canada. Hosts a yearly award show called the MMVA's (MuchMusic Video Awards). You can be part of the audience for several TV shows so call them up and grab some wristbands to get on tv.

City Hall: Mushroom Kingdom is a big and like any kingdom, has a castle (a.k.a. city hall) where all the important people gather and make decisions. There is also a large water fountain which is converted into a nice skating rink in the winter. There is a possibility that you may be trending through this fountain during Frosh week...

Shopping

Once again, U of T wasn't expensive enough, or you just need to buy something to reward yourself for doing well on that midterm. Well look no further than these following places.

Queen St. W.:

Shops and boutiques galore! With about 20 stores which specialize in shoes and 50 others in clothes this is where you will find quite fashionable items at quite reasonable (or not) prices. There are also better known stores such as HMV, Aritzia, Oakley, Billabong, Lululemon, etc. Also, this is where Active Surplus is. Active Surplus cannot be missed because there is a giant gorilla statue sitting outside and the same guy yelling "Active Surplus, don't know what you'll find", and he's not lying.

Eaton Centre:

A huge mall downtown (get off at Dundas or Queen subway station). Contains hundreds of stores (pretty much whatever you need). There are bigger malls in Toronto but most people come to this one. You may take a little detour through here during Frosh week too... *HINT HINT WINK WINK*

Yorkville:

You could probably max out your credit card on one item in this area. Located on Bloor St. from Yonge to St. George this place is packed with high end stores, restaurants and the like. A really nice place to check out things that you could buy... once you actually become an engineer.

Chinatown/Kensington Market:

On a budget? Well have we got a place for you. Food, clothes, electronics, fake stuff and so much more is right here and at the right price. This place is also packed with restaurants with about 10 per block. Food ranges from Chinese to Vietnamese to Japanese (basically most of Asia). The LCBO is also located here. In Kensington it's more about organic foods and thrift stores.





LIFE

Entertainment

Getting all artsy on us are we? Well we won't hold that against you. Engineers are a very wide spectrum of people and to suit your tastes, Toronto's got some pretty nifty art exhibits and museums to check out.

Royal Ontario Museum

Location: 100 Queen's Park

Containing over 6 million items and 40 galleries this place is Toronto's most well known museum. With the brand new opening of the Michael Lee-Chin Crystal (that huge glass/pearly jagged structure sticking onto bloor street) you may not want to pass it by. The (sort of) good thing about the ROM is there is free admission for the last hour on Fridays.

Art Gallery of Ontario

Location 317 Dundas St. W.

The AGO is located right beside OCAD (Ontario College of Art and Design). It is currently undergoing renovations but you should all still check it out. It is a good place to go and expand your current knowledge of the arts and of course... get away from school (but closer to another one).

Air Canada Centre

Location: 40 Bay St.

This place is home to the Toronto Maple Leafs and Toronto Raptors. Come watch a Leafs game (if you're not too busy and can actually get tickets) or watch a Raptor's game (to see some 'slaming' action). This place also hosts some pretty massive concerts.

Roger's Centre (formerly Skydome)

Location: 1 Blue Jays Way

Toronto's stadium with an opening (and closing) roof. Able to seat 50,000 to watch the Toronto Blue Jays. Snuggled right under the CN Tower this is a great place to get some cheap tickets to a sport event (i.e. baseball). I still dont know why they had to rename it Roger's Centre though...

Scotiabank Theatre (formely Paramount)

Location: 259 Richmond St. W.

Typically just a movie theatre but it is huge and downtown. It also has a giant multicoloured cube for some reason. It is also in a pretty fun area and basically just an awesome place to watch movies (in case downloading them in 'cam' version wasn't good enough).





LIFE

**Down
town Map
Spread**





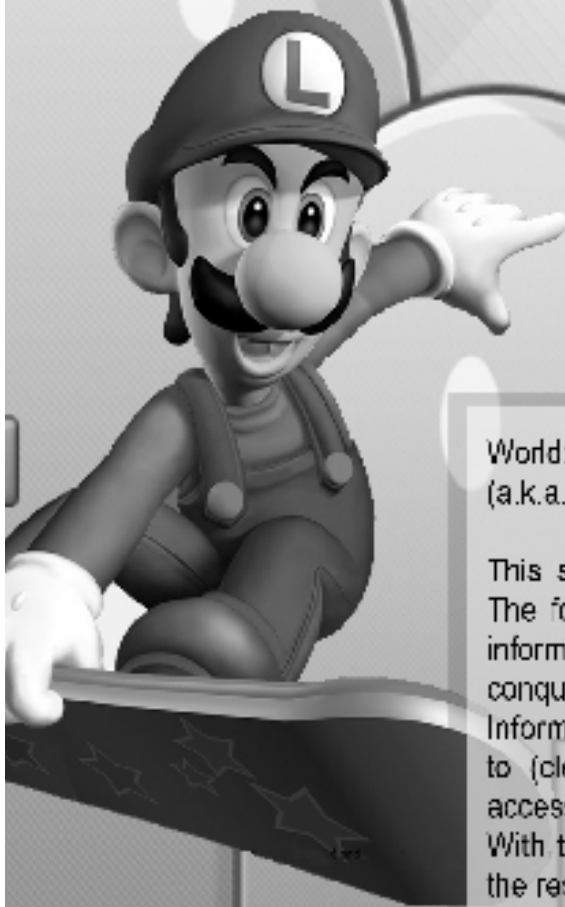
LIFE

**Down
town Map
Spread**





ADDITIONAL INFORMATION



World: The Past, Present and Future
(a.k.a. Skule Archives)

This is the last section of the handbook. The following pages contain any other information that you may need to conquer the game successfully. Information ranges from Godiva's Hymn to (clean) Engineering song lyrics to accessing your ECF computer account. With that said, we hope that you enjoy the rest of the game. Good luck.





F!ROSH HANDBOOK ITI

RANDOM STUFF

Godiva Hymn

Atleast memorize one of these verses as you will be screaming them all of F!rosh week.

Godiva was a lady, who through Coventry did ride,
To show to all the villagers her fine and lily-white hide.
The most observant villager, an Engineer of course,
Was the only one to notice that Godiva rode a horse.

(CHORUS)

We are, we are, we are, we are, we are the Engineers,
We can, we can, we can, we can demolish forty beers,
Drink rum, drink rum, drink rum, drink rum and come along with us,
For we don't give a damn for any damn man who don't give a damn for us!

(OPTIONAL FEMALE CHORUS)

We are, we are, we are, we are the female Engineers,
We can, we can, we can, we can drink just as many beers,
Drink rum, drink rum, drink rum, drink rum and come along with us,
For we don't give a damn for any damn man who can't get it up for us!

Said she, "I've come a long, long way and I will go as far
With the man who takes me from this horse and leads me to a bar."
The men who took her from her steed and led her to a beer,
Were a blurry-eyed surveyor and a drunken Engineer.

An Artsie and an Engineer were stranded on a boat,
One passenger too many, the poor boat couldn't float.
The Engineer would toss a coin to settle the dispute,
He tossed it in the water and the Artsie gave pursuit.

An Artsie and Engineer once found a gallon can,
Said the Artsie, "Match me drink for drink, as long as you can stand."
They drank three drinks, the artsie fell, his face was turning green,
But the Engineer drank on and said, "It's only gasoline."

In Arts and Sci and at York there are countless untruths told,
About how our women Engineers are frigid, strange and cold.
But truth be told we men prefer lady Engineers, of course
And sleep with women learning friction, motion, stress and force.





RANDOM STUFF

U of T was U of T when Ryerson was a pup,
And U of T will be U of T when Ryerson's time is up.
And any Ryerson son of a bitch who thinks he's in our class,
Can pucker up his rosy lips and kiss our purple ass!

The Artsie thought he had it all, his girlfriend disagreed
One day she up and left him; he could not fulfill her needs
"Where are you going?" The Artsie cried, half-naked from the dorm,
"To find an Engineer," she said, "At least they can perform!"

The modern engineer must be politically correct,
No more motors lubricating, no more buildings rise erect,
No more electrical capacitors whose plates are high and fair
Instead of problem solving let's just sit around and care.

My father peddles opium, my mother's on the dole,
My sister used to walk the streets, but now she's on parole,
My brother runs a restaurant with bedrooms in the rear,
But they don't even speak to me 'cause I'm an Engineer.

The Jerry P. Potts trophy for the chariot race at SkuleTM
Had been stolen from the fold but Mario said, "Dis ain't cool".
So Mario recovered it, returned it to the throngs,
On the condition that the SkuleTM mates sing his praises in their song.

A wide-eyed Artsie Chemist and a Chemical Engineer
Were formulating molecule equations over beer.
Each drank a glass of water, but the Artsie hit the floor,
For what he thought was H_2O was H_2SO_4 !

Professors put demands on us, they say we have to tool,
But all we want to do is sleep, WE HATE THIS FUCKING SCHOOL!
You can bitch or tell us off, abuse us if you please,
But we're all set to graduate and ALL WE NEED ARE C'S!

We heard the old professor is ending his career
We thought we'd help him celebrate and bring a keg of beer,
But when we thought that we would have to share it with you all
We thought about it once again and drank it in the hall.





F!ROSH HANDBOOK ITI

RANDOM STUFF

An Eng Sci man from U of T went out and drank his fill.
He came then to a strip joint, 'cause he had some time to kill.
The motions that he witnessed there excited all his nerves,
And he filled eleven napkins with equations of the curves.

Rapunzel let her hair down for two suitors down below,
So one of them could grab a hold and give the old heave-ho.
The prince began to climb at once, but soon came out the worst,
For the Engineer rode up a lift and reached Rapunzel first.

I'm graduating Eng Sci, and I feel I have to pout,
There's one thing in the world I have yet to figure out.
It's something Eng Sci drop outs seem to pick up from the Mechs,
Apparently it's pleasurable, I think they call it sex.

Other schools have mascots and they think that theirs is best,
But when it comes time, theirs do fail to pass the test.
Phallic imagery with mascots seems to be the norm,
But the Cannon is the only one that can truly perform!

The year that Mikey's double cohort came to UofT,
The Frosh were not just underaged, but knew no High School glee.
When the campus parties all went dry, SUDS still flowed with beers,
And those sober college Artsies thanked their God for Engineers.

Industrials have got the dates and that is a known fact.
It's not the way they part their hair, or in the way they act.
It's that they're such good lovers with that extra special touch,
Since you have to get that skillful when you fuck the dog so much.

Some Engineers from U of T got loaded on a bus,
The driver took them to a town a long, long way from us.
They drank the local tavern dry and went to look for more,
When they couldn't find another bar, they stormed the liquor store!

When Mechs are feeling thirsty and when Civs are all worn out,
There's one place you can go, and that is SUDS without a doubt.
So next time you drink a rich, cold, golden, icy, frothy beer,
Get on your worthless knees and thank a Chemical Engineer!





RANDOM STUFF

Godiva was a lady well-endowed there was no doubt,
She never wore a stitch of clothes, just wound her hair about.
The first man who ever made her was an Engineer, of course,
But on just one drink an Artsie fink once made Godiva's horse!

We're the biggest group of Engineers here studying our craft,
But we're mostly Eng Sci failures, so we usually get the shaft.
Us poor Elecs and Comps, we have no verse to sing alone,
But after all we are all nerds, so here, we wrote our own!

The Romans fed their concrete mix the blood of ox and men
The Mafia uses theirs to teach a lesson now and then
But for all their pretty tricks their evil cannot even tie
Our trusting it in a canoe to float and keep us dry!

Ace Towing roams the streets of Yorkville each and every night,
They tow the cars, and stow the cars and hide them out of sight.
They tried to tow Godiva's Horse, the Engineers said "Hey!"
They towed away the towing truck, and now the Ace must pay.

Engineers made tribute to the Cannon's might and Skule™,
Their cinematic expose turned out to be a jewel.
Soon after Innis was found bare and the campus rang with fear,
The Faculty of Film had been replaced with Engineers!

On reading Kama Sutra, a guy learned position nine.
For proving masculinity, it truly was divine.
But then one day his girl rebelled and threw him on his rear,
For he was a feeble Artsie and she was an Engineer.

For 50 years the Engineers at Queens have had our pole,
From Varsity they took it, and their Frosh week was its role.
But 28 of our own went down, and with a cunning plan
We opened up an unlocked door and brought it home again!

My father was a miner from the Northern Malamute,
My mother was a mistress in a house of ill repute.
The last time that I saw them both these words rang in my ears,
"Get out of here you son of a bitch and join the Engineers."





RANDOM STUFF

A U of T Engineer once found the gates of Hell,
Looked the devil in the eye and said, "You are looking well."
Satan just returned the glare and said, "Why visit me?"
You've been through Hell already, since you went to UofT!

Sir Francis Drake and all his men set out for Calais Bay,
They'd heard the Spanish Rum fleet was headed up that way.
But the Engineers had beat them by a night and half a day,
And though as drunk as they could be, you still could hear them say...

A fire hose by day and forty beers by night,
An Engineer may never sleep and still stay just as bright.
And if you ever ask her how she keeps up her routine,
She'll raise her trusty can of Jolt, smile and say "Caffeine!"

As legend goes an apple fell on poor Sir Isaac's head,
And Newtonian Mechanics then was born, took hold and spread.
Too bad he was a physicist and not an Engineer,
If he wore a hardhat, we'd have less class and more beer!

A maiden and an Engineer were sitting in the park,
The Engineer was busy doing research after dark.
His scientific method was a marvel to observe,
While his right hand wrote the figures down, his left hand traced the curves.

An artsie lad in robes was clad and set to graduate,
A pompous gleaming spectacle he was upon that date.
But not a quarter hour after he got his degree,
He was serving fries to engineers from S-K-U-L-E!

I happened once upon a girl, who eyes were full of fire,
Her physical endowments would have made yours hands perspire.
To my surprise she told me that she never had been kissed,
Her boyfriend was a tired Engineering Scientist.

Godiva died, and where she lies, a bench-mark shows the spot
In any engineering text, its level can be got.
Godiva's now in Heaven, where she daily prays for beer,
But she'll have to wait till Heaven gets a Resident Engineer.





RANDOM STUFF

Venus is a statue made entirely of stone,
There's not a fig leaf on her, she's as naked as a bone.
On noticing her arms were gone, an Engineer discoursed,
"The damn thing's busted concrete and it should be reinforced."

We'd like to welcome all the parents here to U of T,
But there are lots and lots of things we'd like you not to see.
Like sex and drugs and rock & roll, and kegs and kegs of beer,
But we would never touch the stuff 'cause we're the Engineers.

Copulation, fornication, penetration, fuck,
Rim job, reem job, nose job, blow job, cunnilingus, suck,
Eating beaver, dipping wick, and taking it in the rear,
These words don't mean a thing to me, 'cause I'm an Engineer!

Caesar set out for Egypt at the age of fifty-three,
But Cleopatra's blood was warm, her heart was young and free.
And every night when Julius said goodnight at three o'clock,
A Roman Engineer was waiting just around the block.

Any Civil Engineer can go for days and days
Describing how concrete is used in oh-so many ways,
But not till one dark gray night of true debauchery
Was using it to float a boat considered one of these!

A U of T Computer man got drunk one fateful night
He opened up the console and smashed everything in sight.
When they finally subdued him, the judge he stood before
Said, "Lock him up for twenty years, he's rotten to the core!"

All Eng Sci types in second year are really in a plight,
They're the masochistic ones, who haven't seen the light.
After two more years they will be just as brain dead,
As any first year Civil Engineering cement head.

An Elec and a Comp challenged wits in a Bahen hall
Students gathered all around to watch the two great students brawl,
The Elec spoke of flux and fields for a minute, two or three,
But the Comp kept droning on and on and on recursively!





F!ROSH HANDBOOK ITI

RANDOM STUFF

We saved our dough for years to send the kid to U of T
Although we knew it was a place of wild depravity,
But now we know our kid is safe and we should have no fear
He's never even heard of sex cause he's an Engineer.

The Army and the Navy boys went out to have some fun,
Down to the local tavern where the fiery liquors run,
But all they found were empties, for the Engineers had come,
And traded all their instruments for gallon kegs of rum.

Late one night, an Engineer was lost in work and toil,
He set off to find a darling girl to help discharge his coil.
In little time he'd warmed her up, her resistance at a low,
They fluxed until the morning's light, when their fuses, they did blow.

An Engineer once came to class so drunk and very late,
He stumbled through the lecture hall at an ever-diminishing rate.
The only things that held him up and kept him on his course,
Were the boundary condition and electromotive force.

A man sat in a tavern with a lovely Toronto lass
And stared when more than nineteen times she raised and drained her glass.
He said "You've outdrunk four strong men, and half the bar, my dear."
But the maiden smiled demurely and said she was an Engineer.

Elvis was a legend, he's the King of Rock & Roll,
But the life that he was leading, well it finally took its toll.
He realized too late that he chose the wrong career,
So he faked his death, and came to Skule to become an Engineer.

Joe E. Skule is 100, but he has a heart of gold,
He gave the meds his Skule house when it was 94 years old.
The meds were very grateful, but they have problems with precision,
For they use those T-squares and dividers when making their incisions.

Now you've heard our story and you know we're Engineers,
We love to hate our problem sets, we love to drink our beers.
We drink to every person who comes here from far and near,
Cause we're a HELL-OF-A, HELL-OF-A, HELL-OF-A, HELL-OF-A HELL-OF-AN-ENGINEER!





RANDOM STUFF

Cheers and Songs

Use these to throw fear into your enemies (artsies).

Rahhhhhhhhhhh! *meow*

Skule™ Yell

Sesame Street

Toike Oike, Toike Oike,
Ollum te cholum te chay.
Skule™ of Science, Skule™ of Science,
Hurray, hurray, hurray.

Sunny days, sweeping the clouds away,
On my way to where the air is sweet.
Can you tell me how to get,
How to get to Sesame Street?
How to get to Sesame Street?

We are (we are),
We are (we are),
We are the engineers,
We can (we can),
We can (we can),
Demolish forty beers,
Drink rum (straight),
Drink rum (straight),
And come along with us,
For we don't give a damn for any damn man who don't give a damn for us!

I don't know the words to the 2nd verse,
I just make 'em up as I go along,
Can you tell me all the words,
All the words to Sesame Street?
All the words to Sesame Street?

Yay Skule™!

Marching Bands

A Soldier's Tale

When marching bands and policemen fall in line,
We've got to win the game another time,
And for the BLUES I yell, yell, yell, yell, yell,
And for the University I yell like hell,
We're going to fight, fight, fight, for every yard,
Circle the ends and hit the line right hard,
And throw the enemy upon the side
(HIT 'EM HARD) RAH! RAH! RAH!

A sol-, a sol-, a soldier I will be
Two pis-, two pis-, two pistols on my knee
For cu-, for cu-, for curiosity
As we fight for the old count-, fight for the old
count-,
Fight for the old country!

When polar bears and penguins fall in line,
We've got to wing for the Arctic another time,
And for the Moose I yell, yell, yell, yell, yell,
And for the Albatross I yell like hell,
We're going to fly, fly, fly, for every yard,
Circle the ice and hit the tundra hard,
And throw the polar bears upon the ice
(HIT 'EM NICE) OOL! OOL! OOL!

Harass, harass, harass him in the dark
Each hit, EACH HIT, each hit will find its mark
A hor-, a hor-, a horse will carry me
As we fight for the old count-, fight for the old
count- Fight for the old country!





F!ROSH HANDBOOK ITI

RANDOM STUFF

Rubber Ducky

Rubber Ducky, you're the one.
You make bathtime so much fun.
Rubber Ducky I'm awfully fond of you.
Boo boo de dool

Rubber Ducky, joy of joys,
When I squeeze you, you make noise.
Rubber Ducky, my very best friend is you.

One, two, three, four!

Everyday when I make my way to the tubby,
I find a little fella who's cute and yella and chubby. Why Are We Waiting?
Rubber dubber ducky!

Rubber Ducky, you're so fine,
And I'm happy that you're mine.
Rubber Ducky, I'm awfully fond of,
Rubber Ducky, I'd love a whole pond of,
Rubber ducky, I'm awfully fo-o-o-o-o (hold note)
-nd of you, too, boo-boo-be-dool

Hey, Look us Over

Hey, look us over,
Lend us an ear,
The Lady Godiva Memorial Band is here!
We've got the music,
We've got the jive,
We may be in a drunken stupor but we're still alive.
So if you don't like our "music,"
Give us a beer,
And maybe next time we will disappear,
For we still got a little bit left to drink,
Like maybe forty beers,
After all we're engineers.

Mailman

I am happy, I am gay.
I come each and every day,
I'm your mailman.
I knock your knockers, I ring your bell,
Don't you think that I am swell?
I'm your mailman.
I can come, in any kind of weather.
Don't you know my bag is made of leather.
I don't mess with doors or locks,
I just shove it in your box,
I'm your mailman.

(chorus 1)

Why are we waiting? x2
Oh, why are we waiting?
Oh, why do we wait?

Why are we waiting?
We could be integrating (or fornicating,
or masturbating, or whatever else rhymes)

(chorus 1)

(chorus 2)

Where are we going? x2
Oh, where are we going?
Oh, Where do we go?

Where are we going?
At least it isn't snowing.

(chorus 2)

(and this song goes on for a while...)





F!ROSH HANDBOOK ITI

RANDOM STUFF

Glossary

Wanna learn to speak ENGLISH?

Not Letters

! – factorial, like in F!rosh. F*r*o*s*h*!.

:D – Your face during F!rosh week

: (– your face during exam week

A

APSC – Faculty of Applied Science and Engineering

Artsy – the non-engineers that you see flouncing around with their tiny manbags, making the most of their lives before they serve fries at McDonalds.

Attiliator, Chief – The all-seeing guardian of the Ye Olde Mighty Skule™ Cannon.

B

(Red Banana) Bat Fone – The big red EngSoc phone that allows you to make free calls.

Beast, The – the vending machine that sells junk food in the Atrium. However, this opportunity has a price – it's all based on change. Put in a toonie and you might get nothing or be eaten by the machine

BEvERages – The engineers' thirst quencher of choice, it stimulates reading between the lines, deep philosophical thought and the forgetting of failing that test.

BFC – I don't know why I just typed that. This doesn't exist.

Bnad – the way the LGMB spell their name. (metric spelling of "Band")

C

CHEM – Chemical engineering (where the Mechs go to get their girlfriends)

CIV – Civil engineering (those kids who build bridges all day and love the smell of concrete)

Conceptual Design Specification – A design specification based on certain concepts. (Pretty useless definition, but a CDS is useless, anyway)

Cannon, Ye Olde Mighty Skule™ – our mascot, your mascot, every engineer at U of T's mascot.

Something other universities and faculties are jealous of.

E

ECE – Electrical and Computer Engineering (those kids who smell kinda funky because they still haven't figured out what a shower is)

Eng Sci – Engineering Science. Those really smart kids who do homework all day and night and will probably be joining the other departments by the end of their first year, also, the kids who wish they were in Mech

EngSoc – Engineering Society, oversees all funding and event planning. Possibly also the government in 1984.

EngSoc Mass Mail – just as it sounds, the large amounts of crucial mail from the overseers of all the funding and event planning.





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RANDOM STUFF

E

F!rosh – you silly kids!

G

Godiva Week – A crazy exciting week in January that closely resembles F!rosh Week and hopefully involves snow.

I

Ideality – what you hope that you can assume during any of your science courses.

INDY – Industrial Engineering (want fries with that?)

K

Kill – the process of matrix row reduction, which involves the slaughter of rows and columns to nothing.

Keener – the people in the front of the class that block your view of the board when the professor writes on the very last line of it...not that I'm bitter towards that kid with the 'fro at all..

M

Mice – the University version of the police

MIN – Mineral Engineering (those kids who classify rocks, and no one will give a damn)

MECH – Mechanical Engineering (where the Chems go to get their boyfriends)

Mild OCD (mild obsessive compulsive disorder) – what you should have to be able to do all the calculus homework you get every night.

MSE – Material Science Engineering (the Civs who are trying to impress the Chems with their chemistry knowledge)

P

Parse Error – the type of error you will find you self making a million times while programming and which usually involves you forgetting a bracket or a semi colon.

Power Nap – sleeping in Sandford Fleming Library...or Gerstein...or the Atrium...or anywhere.

R

Rigorous definition – the proof of some simple equation, come about in the most ridiculously impossibly long way, with no assumptions of ideality.

S

Stealing – a bad thing that you should have been taught not to do when you were a little kid. Note: relocating university property from one place to another does not constitute stealing.

Suds – Skule's™ very own bar that's open every Friday from 3pm–8pm. This all ages, totally awesome hang out resides in the SF Atrium and has lots of cheap food and BEvEragEs.

T

Toike, The – A single sheet of paper filled with knock-knock that comes out each month. You don't ever need to read this, but you should :D





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RANDOM STUFF

Contacts

These are the important people/places you should call. They are here for YOU so use the most of their abilities.

Position

President
VP Finance
VP Academic
VP Communications
VP Student Life
Archivist
Cannon Editor
Cannonball Chair
CRO
Community Outreach
Comp Sys Admin
EngCom
Engineering Stores
External Relations
F!rosh Handbook
Gradball Chair
Hi-Skule™ Liason
Ombudsman
Orientation
Professional Development
Skule™ Book
Speaker
Sponsorship
Student Issues
Suds
Toike Oike
UTEK Director
Webmaster
Blue and Gold
Chief Attiliator
EAA President
1st Year Chair
4th Year Chair
LGMB Leedur
Skule™ Nite Liason
SAC Rep
Chem Club





RANDOM STUFF

Hard Hats

Civ Club

Comp Club

Elec Club

Eng Sci Club

Indy Club

Materials Club

Mech Club

Min Club





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RANDOM STUFF

ECF Guide

Alright F!roshies if you're ever even going to THINK of levelling up, you damn well better learn how to use the ECF (Engineering Computing Facility) computers on campus. There are a bunch of labs all over the place and some are windows computers and the rest are linux based. Don't shit your pants just yet, it's not hard to learn.

First off here are all the locations of the computer labs on campus.

Windows Linux
WB316 SF1012
BA1120 SF1013
BA2124 SF1106
BA2126

IMPORTANT IMPORTANT IMPORTANT

Not many people know this F!roshies so I'm going to let you in on a little secret! Maybe it'll help you in levelling up or maybe... just maybe it'll help you advanced through World 1 a bit easier.

You... have the POWER... *ahem* I mean access to MANY Microsoft products legally for FREE. YES FOR FREE. For example you can download some Office programs and Vista, XP, Visual Studio and many more for free with your own MSDNAA account (login details will be sent to you ECF email once the school year starts, read below about ECF emails).

Okay now back to other equally but not as interestingly important stuff!

Setting up your ECF Account

Go to SF1012, SF1013, or SF1106 and sit in front of a computer

Type getname as the login, leave the password field empty, and press enter. Follow the instructions on the screen to receive your login name

Login with the same login name you just got. Your password is the last 4 numbers of your student number followed by your month and date of birth (2 digits each)

Using ECFPC Windows Lab

Go to a windows lab (above) and sit in front of a computer

To change your password login with the same login and password as the linux computers, then press CTRL + ALT + DELETE once, and click on change password and voila.





RANDOM STUFF

STRICTLY FOR Linux

The Terminal

This is pretty much where you'll be doing anything that doesn't require pointing and clicking and you'll be using it quite extensively in programming courses. To open the Terminal there should be a shortcut on the bottom bar however if there isn't you can go into System Tools > Terminal to access it.

SSH - Connecting to ECF from home

To access the ECF computers from your home, you can use a program called an SSH client. One of the most popular ones for Windows is called PuTTY and you can get it from <http://www.chiark.greenend.org.uk/~sgtatham/putty>. The file you want is called "putty.exe", there is no installation, so just save it somewhere.

Using PuTTY

Start the program and on the main screen enter the following:

Hostname: p44.ecf.utoronto.ca (44 is just an example, you can use any number from 1-185)

Port: 22

SSH button should be selected

Click Keyboard in the panel on the left, and set 'The Backspace Key' to 'Control-H' (don't ask silly Frosh).

Click open, then enter your login and password when asked (no you cannot see your password as you type it, that's how it is... jeez and you seriously think you're going to get past World 1!?)

Once PuTTY is started, it's pretty much like the Terminal in the Linux labs.

IF YOU ARE IN ECE, I strongly urge you to learn how to use Cygwin, you will need it in your second semester programming course. The reason for this is that PuTTY does not allow you to open any windows or windowed programs however you can do this with Cygwin. Luckily I have made a tutorial for you n00bs so check out <http://www.bijanvaez.com/content/view/20/45/>.

FTP - Getting files from your computer onto your ECF account and vice versa

The way I like to do things is with a program called WinSCP available at (<http://www.winscp.net>).





RANDOM STUFF

Once you've installed it and ran it, click on New in the main window.

Hostname: p44.ecf.toronto.edu (again any number from 1-185 will work too)

Port: 22

Username and password are your own.

NOTE: you might need to choose SCP as your transfer protocol.

Once it has connected, it is pretty much drag and drop to transfer files over!

IMPORTANT - ECF Email - YOU ALL HAVE ONE AND YOU SHOULD CHECK IT

You all have ECF email accounts. Your ECF email address is yourlogin@ecf.utoronto.ca. This is NOT your Utoronto account, this email address WILL expire once (if) you graduate. Pretty much all the emails related to academics, from your department, professors, etc. Will all come to this email so check it and if you need to go to one of the Unix labs and forward this to an email account that you regularly check.

To forward your ECF emails to another email account

Go to a Unix lab and open any text editor, such as gedit (Accessories, Text Editor).

Enter the email address you want your email to be sent to (and nothing else). Save the file with the exact name ".forward" (with the dot, without the quotes).

To check your email from the Unix labs

Open Terminal and type pine

To check your email from Home

Use putty and type pine once you've logged in

Frequently used Linux Commands

Use these commands in the terminal or through SSH. All commands with square brackets (i.e.

{something}) mean you should replace {something} with whatever is appropriate for the command.

NOTE: Linux is case sensitive which means that for example "cd" will do something while "CD" will not

cd {directory} - Changes the current directory (folder) to {directory}

cd .. - Go to the previous directory

pwd - Tells what the current directory is (short for present working directory)

ls - lists the contents of the current directory

cp {source} {destination} - Copy a file from {source} to {destination}

mv {source} {destination} - Moves a file from {source} to {destination}

rm {filename} - Deletes the file named {filename}

mkdir {directory} - Creates a new directory named {directory} in the current directory

rmdir {directory} - Deletes the directory named {directory}

chmod - Changes a file's attributed (who has permission to read, change, or execute it)





RANDOM STUFF

Printing

lpr -Plprinterl ffilenamel - prints ffilenamel from lprinterl Printers are usually labelled. For example printer sf1013d prints double sided from printer sf1013b.

pq - Displays the number of pages you've printed thus far in the current term (you have 500 pages per term)

Others

man lkeywordl - Displays instructions on how to use the lkeywordl command

finger luserl - Displays the username, real name and year of everone with the text luserl in their name.

killall lnamel - Stops all programs named lnamel.

kill -9 lnumberl - Like killall, but it stops programs by "process id number" instead

ps - Tells you the numbers to use with kill

<http://www.ecf.utoronto.ca/ecf/> for more information

Wireless on Campus

So you got your new fancy laptop with a bunch of gizmos you can't use eh?... Or you brought your desktop to class which has a wireless connection? Either way, READ THIS.

UTORCWN, the University of Toronto Campus Wireless Network is accessible with any computer equipped with wireless technology. For extra information such as wireless coverage maps or other details visit <http://www.wireless.utoronto.ca>.

First off, you need a UTORDial account. Visit https://connect.utoronto.ca/user/lib_check.php and follow the instructions to activate your UTORDial account.

Setting up you computer

Click Start > Connect To > Wireless Network Connection

Click Advanced; click Add under Wireless Networks

Network name (SSID): UTORwin

Enable checkbox for Data Encryption (WEP enabled)

Remove checkmark for The key is provided for me automatically

Network Key: UTOnto!home

Key index (advanced): 0

Click OK twice. You should be connected soon after following some instructions and running a scan tool.





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ADS





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ADS





CLUBS AND TEAMS

Atheletics

