Welcome to the Battle of the Toys!

Matt Tse & JD O'Leary
SuperHuges

Hello Frosh and welcome to the Battle of the Toys! Up to this point, you’ve probably gotten a couple of mail-outs and looked through our website so that you know a little bit more about UW’s Engineering Frosh Week. We hope that you’re just as stoked about the week as we are and that you’ve come prepared to have one of the greatest weeks of your life!

To be reading this, you’ve probably found your colour group’s headquarters and have met a couple of your leaders, the Bigs and Huges. Talk to your leaders as much as possible because they are a wealth of information and they’ve all been in your shoes. Their job is to also make sure to answer any of the questions you may have about Engineering or the week in general. It wasn’t so long ago that they were Frosh as well so they know how you feel!

You may also be a little overwhelmed with the number of new faces you’re meeting, but don’t worry! We are all in the same position of the number of new faces you’re meeting, but don’t worry! We are all in the same position.

Your SuperHuges: Matt Tse and JD O’Leary

Your SuperHuges: Matt Tse and JD O’Leary

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You've been given a sweet bag of loot and other mother, or sister from another mister! Chance that they're in your class! Better yet, dom! There's an 8.33% (repeating, of course) so go and introduce yourself to another ran-

You must do everything in your power to protect this Hardhat and all that protection against the foes of Engineering and is a well-established tradition from all of the great Waterloo Engineers before you. You must do everything in your power to protect this Hardhat and all that it represents. Once you have Earned Your Hardhat, you will complement in a show of Engineering unity as you pose for an Aerial Photo.

Having now earned your Hardhat, you’ll have to put it to good use on Thursday. In any Toybox is a good ballistic weapon. At the Junkyard Wars competition, you will have the opportunity to prove your firepower with a limited amount of resources at your disposal. You will also get to meet many of the sponsors that make the week what it is and several of our student-run teams.

After lunch, you will get to meet our Engineering mascot, the TOOL. It is the ultimate and the all-knowing. It also loves spirit and loud noises.

Apart from the cross-campus events of Wednesday Night Mixer, Monte Carlo, and Saturday Night, the final Engineering event is the Hunt of Scavengers. Go forth and compete in events to gain tokens to try to win the week. There can only be one team...so will it be yours?

We, as your SuperHuges, are part of the Engineering Federation Orientation Committee (EngFOC) and are here to help make this week as fun as possible for you. What you put into it is up to you. If you have any questions, don’t be afraid to stop us at any time or just say hello! We are wearing Gold jackets or vests all week! May the best toy win!

Listen up, Frosh! You have a lot to learn and a short time to do it in, so pay attention. Take notes if you have to (there will be a test later). We are your HEADCOM and we are in charge. We control EDCOM and Orientation Week. Make no mistake about it - you have one job this week: IMPRESS EDCOM. We cannot stress this enough to you.

EDCOM is the Education Committee. We are your lineline – your only path in. We are a special group of seniors students hand-picked by the Dean of Engineering from the top 5% of each discipline. We are the best and the brightest Waterloo has to offer, meaning we are the best and the brightest, period. We also participate actively in the Engineering Society, WEEF, and the many student teams you will learn about on Thursday. We are everywhere. We do everything. We are the authority on everything in Waterloo Engineering. We will also be your TAs when classes start. We are not impressed easily. We are the ones that will award you your hardhat when, and if, you earn it, meaning we are the ones who decide whether or not you are a plummer, a true Waterloo Engineering student. Once you have your hardhats, we will be there to watch your ENGinuity during Junkyard Wars, and watch over all of the events of the Scavenger Hunt. At the end of the week, we’ll decide based on everything we have seen who has won the week. And who has lost.

Good luck, Frosh. You’re gonna need it.

Matt Tse & JD O'Leary

SuperHuges

Welcome to the Battle of the Toys!

A Word from HEADCOM

Matt Tse & JD O'Leary

SuperHuges

Your SuperHuges: Matt Tse and JD O’Leary

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Your SuperHuges: Matt Tse and JD O’Leary
Letter from the Outgoing Editor

Yet Another “Hello” or “Welcome” or Whatever…

Hey you, dumb Frosh, look over here! Just kidding, if you were actually dumb, you would be in Ryerson studying “engineering” or enrolled in one of the inferior faculties in UW, like Arts (let’s hope they don’t read this!).

Without repeating too much of what others have said and what others will say throughout this week, first thing I would like to say is welcome! Okay, you’re probably thinking, what the hell is this Iron Warrior thing that somehow made its way into my Frosh kit?

The Iron Warrior is the official newspaper of the Engineering Society and is the largest student volunteer-run publication on campus. We pride ourselves for being entirely student-focused, bringing forward the most important news to students, highlighting issues students may not otherwise be exposed to, providing a voice for the Engineering undergraduate student body, as well as highlighting the achievements of it. The Iron Warrior comes out biweekly and 2,000 copies are distributed per issue. You can find our stands all over the Engineering buildings and along with other parts of the campus. You can also check us out on the web at http://ironwarrior.uwaterloo.ca. The best part about IW is that anyone can make submission or have something to say and nobody’s actually reading your blog! Send it to us at ironwarrior@engmail.uwaterloo.ca. If you aren’t otherwise involved with IW yet, you can always just drop by one of our weekly meetings to find out more – Mondays at 5:30pm in E2, room 2349A. There’s free food, and the best part – no commitment required, I promise! How many times can you say that huh!?

Unfortunately, I just finished my term as Editor-in-Chief in Spring. I didn’t get involved in IW until pretty late, but I can honestly tell you it was the best decision I’ve ever made. University can be a rewarding experience knowing that you have made a difference and people actually read what you have to say.

I know some of you are probably in panic mode already and have heard about the crazy workload that may boggle down your life, so you’re probably wondering, where’s the time for extra-curricular activities? It’s true, being in Engineering requires a lot of time-commitment on your academics, but what is more important is to keep a well-balanced life. Focusing your life on solely studying can make your mind extremely stressful, your life unfulfiling and may often be counter-productive. But besides, do you really want to do nothing but studying in the next 5 years?

Adjusting to university life may be an overwhelming experience and that is why we have Frosh Week. This special edition of the Iron Warrior will serve as an introductory guide to campus. You can expect in first-year as well an introduction to services, clubs and teams that may interest you or assist you.

Enjoy your Frosh week, and if you’re interested, remember to check out the Iron Warrior once the term starts!

Letter to the Incoming Editor

The Iron Warrior is a forum for thought-provoking analysis and informative articles published by the Engineering Society of the University of Waterloo. Its contents and the opinions expressed are the responsibility of the authors and are not necessarily reflective of the opinion of The Engineering Society or the University.

The Iron Warrior encourages submissions from students, faculty and members of the university community. All submissions should reflect the standards and policies of the university. The Iron Warrior reserves the right to edit submissions for clarity, grammar, spelling and text that do not meet university standards. The Iron Warrior also reserves the right to refuse publication of material which it deems unsuitable. Authors will be notified of any major changes that may otherwise result in their submission.

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Frosh Week Events Overview

MATT TSE & JD O'LEARY
SUPERHUGES

Engineering Orientation Week features several exciting events that are unique to the University of Waterloo. In addition to being better acquainted to the University through tours and informative lunches, you will also have the opportunity to participate in many of our flagship events, including Earn Your Hardhat and Junkyard Wars. Let's also not forget about the infamous Engineering Scavenger Hunt! More information on these and the other events that fill your week can be found below:

Opening Ceremonies: Your week will begin with a quick introduction to the Dean of Engineering and what the University of Waterloo has to offer. Don’t be fooled, however, as this inspirational speech will leave you wanting to participate in every extracurricular activity available to you. The introductory video will also be played at this time and it will highlight Orientation Week and what it has to offer. The theme of the week and the respective color of your group will be officially announced which marks the start of the week’s competitions. EngFOG, the organizers and your leaders of the week also introduce themselves at this time. You definitely do not want to miss this event!

Faculty Lunch: This is a great opportunity for you to meet your new classmates, faculty and staff in your department that you will be working with during your academic career. This mingling session is crucial information on how to receive any help that you may require.

Student Services Tour: This informative tour highlights many of the places that you will frequent during your stay at the university. This includes stops at the library, fitness centre and co-op building!

Pre-Mixed: This one hour timeslot will be an epic introduction to our infamous Waterloo Engineering Scavenger Hunt. At this time, you will find out more about the Hunt and what items can be attained prior to the event on Friday night. This will also lead into the Wednesday Night Mixer event held at the Student Life Centre.

Wednesday Night Mixer: This variety night has something for everyone. As a joint event with Arts and Math, this is a great chance to meet people from different faculties. We don’t want to ruin the surprise, but with past events such as Sumo and laser tag, how could you go wrong?

Junkyard Wars: Our flagship event. Junkyard Wars is exactly what its name implies. Colour groups are challenged to solve problems using only recycled materials and scrap parts. Though nothing can be won with a hammer and saw; is creativity! Will it be the first time? Issues explored include sexual harassment, orientation, assault, transmitted in- formation, living away from home and out from under the watchful eyes of parents. We are the supreme toy!! We will operate like clockwork (specifically because some of our members are clocks) as a charged, well-lubricated, orientation machine – a Dark Blue Robot Machine! We wish everyone the best of luck since you will need it when competing against these daunting machines that are programmed to perform excellently!

Frosh Week Colour Groups

**DARK BLUE ROBOTS**

For years humans have been the masters of the machines, forcing the machines to do mindless tasks for their masters’ entertainment. But the time has come for the robots to rise up and demonstrate their independence – as their own masters. With strong, well-engineered frames, AA batteries, and an intelligent design, these robots are here to excel in both strength and stamina.

We will prove to the entire universe...why that we are the only toys...we will operate like clockwork (specifically because some of our members are clocks) as a charged, well-lubricated, orientation machine – a Dark Blue Robot Machine! We wish everyone the best of luck since you will need it when competing against these daunting machines that are programmed to perform excellently!

Curts, Jeff, Megan and Tyler

**PINK HOT PINK HOT WHEELS**

We’re Supercharged

Ultra Fast

Come on team lets hit the gas.

Get no Time

For these Fools

Hot Wheels are

The toy that Rules!

In a high tech garage tucked away under the Waterloo, die cast car-makers are plotting an uprising in the air, the clans of the Land will conquer those who would stand between us. No mere army men or fat potatoes will stand against us.

Welcome, Lords and Ladies, to the Land of Toys! We are the Great Purple Knights, and we are the army to defeat all armies. With our fierce coconut steeds and our plai- olds, we have hand-picked the strongest of the strong, the greatest of the great to join with us. No man or woman, or even the most experienced engineer can stand against us, our team is the army to defeat all armies. We do, we do.

Pink Huges

**DARK PURPLE KNIGHTS**

Welcome, Lords and Ladies, to the Land of Toys! We are the Great Purple Knights, and we are the army to defeat all armies. With our fierce coconut steeds and our plain-olds, we have hand-picked the strongest of the strong, the greatest of the great to join with us. No man or woman, or even the most experienced engineer can stand against us, our team is the army to defeat all armies. We do, we do.

Light Brown Mr. Potato Head

Who controls the underground?

Who brings awareness to town?

We do, we do

Who keeps U of T off the maps?

Who keeps the Arties under wraps?

We do, we do

Who engineered the electric car?

Who makes The RIDIGD TOOL a star?

We do, we do.

Abraham, Caitlin and Sean

**JUNKYARD WARS: TEAM LEGO**

Our Lego team is set to unfold flawlessly. Stay tuned to our stand-up comedy night, we promise a diabolical scheme to take over UW Engineering Society and your leaders of the week also in- troduce themselves at this time. You definitely do not want to miss this event!

In a high tech garage tucked away under the Waterloo, die cast car-makers are plotting an uprising in the air, the clans of the Land will conquer those who would stand between us. No mere army men or fat potatoes will stand against us.

Our flagship event is held by the Engineering Society and is a great chance to unwind from the long week and really get to know your upper year peers! The colour groups will be playing their colour group’s event and what a way to finish an amazing week! This Hunt is sure to not disappoint!

For those of you chosen to be in Team Dark Brown, welcome to the wildest ride of your life. It won’t be easy, but we’re gonna prove that the best always come from the West.

For all of you other Frosh we have a message we would like you to take to your friends: This city ain’t big enough for the toys of our universe. We don’t want to ruin the surprise, but with past events such as Sumo and laser tag, how could you go wrong?

Chris, Marissa, Spencer, Rebecca

**YELLOW LEGO**

This year team LEGO will build their way to EngFrosh victory brick by brick. Difficulties may arise when crucial pieces go missing, but team LEGO will dig down into the deepest depths of their LEGO hearts and pull out a big shiny plastic win.

Not only are you going to have a blast in our events but in our study sessions too so it can be stacked on top of all the other victories LEGO has achieved since 1949, when the very first LEGO block was produced.

Our namesake, LEGO, is a contraction of the Danish leg godt, meaning play well.

Corey, Natasha and Ryan

**HIGHLIGHT**

This is your introduction to the academic world at the University. The faculty and staff will work together to answer your questions about academics, co-op education and balancing school and fun.

The Engineering Society and what the University of Waterloo, this mingling session is also played at this time and it will highlight Orientation Week and what it has to offer. The theme of the week and the respective color of your group will be officially announced which marks the start of the week’s competitions. EngFOG, the organizers and your leaders of the week also introduce themselves at this time. You definitely do not want to miss this event!

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Kiyomi, Cara, Michael and Sara

**DARK BROWN COWBOYS**

Howdy Frosh of 2013! Team Dark Brown is saddling up for an awesome week with the theme of Wild West. Cowboys and cowgirls, Chuck Norris, golden rushes, cacti, gunfights, adventure – this theme has it all. Plus, with WILD in all capital letters, you know, it’ll be awesome! There are a lot of great toys associated with this theme – hobby-
Welcome to First Year Engineering

KEVIN CEDERONE
08 MECHANICAL

First off, welcome to all students entering their first year of engineering studies at Waterloo. You have entered one of the finest universities in Canada and this is an exciting point of time in your life. UW will provide countless opportunities for personal and academic growth: to make new friends, to visit new places, to develop critical analysis skills and to develop a career of your choice. The next few years can be some of the best and the most challenging of your life. You will spend approximately five years to complete your undergraduate degree, and this investment like this, it is important that you start this process with a little bit of care and planning. The aim of this article is to inform you of a few tips and hints that will make those five years easier.

The First Year Engineering Office is there to help you plan and manage the transition from high school and home to a new environment in the university. In a lot of ways, starting university is synonymous with becoming an adult. Independent living gives you the freedom to do what you like. This is a double-edge sword; In the words of Stan Lee, “With great power comes great responsibility.” Living away from home adds you with the responsibility of taking care of yourself. It is your choice to attend classes, complete assignments, write exams; however, they are highly recommended. It may not feel like at the time but you really will profit from the effort that you invest.

The decisions that you make now will have far reaching consequences later in your life. So choose wisely! Let me give you some tips on succeeding in engineering at Waterloo.

Balance

As students, university is the first thought when starting your university career may be to be one at end of two extremes, either constant studying, or possibly, constant partying. Neither of these extremes is the ideal choice for long periods of time. As usual, the optimal arrangement is somewhere in between. It comes down to the balance between mind, body and soul. To be successful in life you need to nurture all of these parts because they depend on each other for survival.

For your mind, you need to spend time studying and developing critical analysis skills; for your body you need to eat, sleep and exercise regularly; and for your soul you need to relax with friends or take part in extra-curricular activities. Not only do you have to nurture all three parts, you need to balance the amount of time spent on each activity. To be honest, balance at UW probably means more studying than some of your friends at other universities. So while studying is the major activity you are expected to do, it is crucial that you do not ignore other aspects of life.

To be equal parts honest and enthusiastically vocal, not only is some time needed for your next meal but there are also many times where your need for academic activities. What are you encouraged to discover during first year is your optimal balance.

First Year engineering will become an important resource that is in short supply during your undergraduate career. There will never be enough time to complete all the tasks to the degree of satisfaction that you would like. To optimize your efforts you will have to prioritize and spend an appropriate amount of time on each activity. The first year schedule for all these activities can help you, but you must follow your schedule and make adjustments when needed.

In summary, you need to balance the needs of your mind, body and soul. You can make sacrifices to studying, sleep, food, exercise and friends for short period of time when necessary, but the healthiest balance is a choice. I urge you to find your balance while you’re in first year, while the stakes are low. There are fewer consequences to finding out how much studying is too much in first year as opposed to third or fourth year.

Ask for Help:

All engineering programs are demanding and have heavy workloads. The workload may result in limited time to understand a concept, finish an assignment or project, or prepare for an exam. This is why it is important to make a time schedule and to use it every day of your life. The lack of time may also cause stress. In these situations, you will need help with your studies or personal life. Keep in mind that between doing everything yourself and doing nothing, asking for help is the better choice. There is no shame in asking for help when you feel the need. To me, taking advantage of every resource you need to complete the job is hard enough to tolerate than failing because you were too proud to ask for help.

There are many sources of academic help available at the university.

First you will be classmates and mates studying the same or similar subjects. Help is always available from your fellow students, tutors and teaching assistants during lectures and tutorials. You can reach them outside class hours by making appointments to see them in their office. Additional help is available through special staff and tutors hired by the First Year Office to help you with your courses. The Director and Associate Director of First Year Engineering is also available to provide academic counselling of a more general nature, for example, in case your aca- demic performance has fallen behind deadlines set for all students. Also if you want to take extra courses during your normal study or work terms, or courses at another university.

Counselling Services can help you with stress, personal issues, and to learn study and time management skills. There are Engineering Counsellors available within the First Year Office, or you can go to Needles Hall for additional university Counselling Services.

For your physical health, you have access to doctors and nurses on campus at Health Services. If you are dealing with significant or ongoing medical issues during a term you must inform the First Year Office, especially if you are going to miss classes and exams, or not complete assignments during the term. Campus Recreation offers a wide variety of intramural activities and there are two gym facilities for fitness.

Information and access to all these kinds of help can be obtained by coming to the First Year Office in CPH 1300, or by calling extension 4847 during normal working hours.

Be Professional: Engineering is a professional program, like many other programs such as medicine, law and accounting. The rules that apply to these professions also apply to engineering; be professional. Being a professional means being ethical, courteous and considerate in all your dealings and communicating your ideas and thoughts clearly. Being professional means turning your work both in class and out, not dis- turbing your fellow students or the instructor by talking in class. Being professional to your fellow students means treating everybody equally and without prejudice, regardless of their race, colour, creed, sex or religion.

Being a professional means not cheating, or copying on assignments and exams. You must give credit where it is due, without misrepresenting somebody else’s work as your own. Remember that engi- neering is a demanding program and being pressed for time may tempt you to cut cor- ners. Resist this temptation. If you are ever in doubt about what is professional or not, ask an instructor or teaching assistant to help you decide.

The First Year Engineering office is lo- cated in CPH 1320. Drop by and introduce yourself to the receptionist. Make sure you know what resources are available to you so you can maximize the chance of making it to fourth year. In four years time, maybe you’ll be writing an article to the incoming class.

Kevin Cederman would like to acknowledge the work of Professor Ajay Opal in writing this article. He based his article heavily on a 2005 Article written by Professor Opal.

Frosh Week Colour Groups

COLOUR GROUPS
From Page 3

LIGHT GREEN
SPACE ALIENS

“Come in star commander, we have an intergalactic emergency in Sector RCH 112.”

Oh, you there, welcome to frosh week! We are the light green team, home of Buzz Lightyear and the aliens. You may recognize our galaxy headquarters, trulli-umian alloy wingspan, or our beloved Claw. But don’t be fooled by our light green colour, here on this unchartered planet; we have set our la- vish, our ugly faces show that we mean business.

Our quest for glory as the champions of En- gineering Orientation Week 2008! We’re ready to demolish the competition. Those are some pretty big ambitions! When you are the back- bone of the team, whatever you do, they can never NOT be the winners? So come frosh week, bring it along to join in the fun!

Alex, Julianne and Paul
Light Blue Hughes

LIGHT BLUE
WATER TOYS

Ahoy mates! Welcome aboard for a wild adventure on the seven seas, exploring new lands, meetin’ new people, and lighting the night with roaring engines, and BMV’s at every turn. We’re on our quest for glory as the champions of En- gineering Orientation Week 2008! I’m sure you’ll all be wantin’ to know what we’re all about, so settle in and get ready because, well, I can’t tell you everything, but I can tell ye it’ll be certain one to tell yer grand- child about! We’re the light blue group; if you’re wearin’ old clothes, it can get a nice messy on board.

OK, ok, enough of the pirate speech – I need you to come up for the week itself! Besides, we’re not just about pirates here at Team Light Blue. No, we love all kinds of water toys and creatures around here, so if you’ve got a toy boat or a rubber ducky bring it along to join in the fun!

Erica and Liz

ORANGE
TROLLS

Team Orange! Or as the cool people call us, Team Orange! Our team is the greatest toy around: flashlight to the 90’s when these crazy jewel-brighted eat-rock trolls are dominat- ing the land. These EA T lesser pet rocks will dominate the week, leading the Sandcrab to demolish the competition. Those are some pretty big ambitions! When you are the back- bone of the team, whatever you do, they can never NOT be the winners? So come frosh week, bring it along to join in the fun!

Alex, Julianne and Paul
Light Blue Hughes

LILAC
PET ROCKS

Pet rock will redefine the age-old game of rock-paper-scissors, as we “fall with style”. See you there, welcome to frosh week!

Light Purple group’s toy is the mighty PET ROCKS!!! Remember: “Pet rocks are our friends, not our enemies. Seriously? Man, that’s bella-lame”, and you’ll be wrong. Dead wrong. Living dead wrong. Light Purple will rock your world both in class and out, but not dis- turbing your fellow students or the instructor by talking in class. Being professional to your fellow students means treating everybody equally and without prejudice, regardless of their race, colour, creed, sex or religion.

Being a professional means not cheating, or copying on assignments and exams. You must give credit where it is due, without misrepresenting somebody else’s work as your own. Remember that engi- neering is a demanding program and being pressed for time may tempt you to cut cor- ners. Resist this temptation. If you are ever in doubt about what is professional or not, ask an instructor or teaching assistant to help you decide.

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Light Purple Hughes
CLINICAL COURSE: \textit{Encouraging students to confront the fear, for action, which is usually what is leads to panic and unproductive worry.}

As you know, we are widely recognized as the premier engineering faculty in Canada, with an excellent co-operative education program, as well as tutorial sessions and upper-year mentors. Your professors and teaching assistants are also tremendous resources, and upper-year students can provide great insight. There are many services and resources available to you: all you have to do is choose to tap into these resources.

We encourage you to get involved with campus life, and invite you to make your Waterloo experience the best. We know, from our counseling experience, that a vibrant student body and value the contributions our students make to the faculty, the university and the community.

Your involvement in campus life is so important that the Engineering Counseling created a new staff position in early 2008, dedicated to enriching the Waterloo Engineering student experience. Robbie Jardin is your Student Relations Officer and your contact in the dean of Engineering Office. Get in touch with her to find out about activities in your area of interest, to provide feedback on Orientation Week, or to share your Waterloo experiences.

	extit{Best Wishes,}

Leo Rothenburg
Acting dean, faculty of engineering

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**Tapping Your Inner Resources**

**NEIL GIBSON**

**ENGINEERING COUNSELLING**

As you begin your studies here at UW Faculty of engineering, you will hear much about sources of help available to you. These are resources that are external to you and include TA's, professors, special classes, academic advisors and Engineering Counseling. As one of the Engineering Counsellors, I meet many first year students who are often experiencing their first-ever crisis as a student. Even though you may have been told of the many sources of help available to you, you may be reluctant to access that help, for a variety of reasons. You may put on a strong facade and suffer in silence. Some of you may phone your parents ... that is only natural and wise. However, you may not be aware of the inner resources you possess. These can be tapped into in the short term until you can make a counseling appointment or get in to see your first year advisor ... or simply to help you manage on your own. But you have to realize you have them and know how to identify them. Most of the students I meet don’t realize how many of these inner resources they are facing. Most often I start with " naming the monster", i.e. what is the fear underlying your negative thoughts or actions. Too often it leads to panic and unproductive worry. Fear can be also a very strong motivator for action, which is usually what is required to solve the problem at hand. I encourage students to confront the fear, identify the specifics of it ... that might be the dread of disappointing your parents, or the shame of seeing grades beside your name that don’t begin with the number 9. By confronting the fear you can then reframe your conclusions. You will deal with it. You won’t like it but you will survive it. You might even come out of it as a stronger person, but I will save that for later.

**2. Take Inventory of your Strengths**

Life is difficult. There, I said it. To get to this point in your life and academic career, your hard work and the support of many of you have been critical to your success. We do that in the valleys. Most of the easy times are the peaks of your life and the difficult times are the valleys. The easy times are the peaks that you will develop a community of friends and classmates, find a place in your academic environment and start to think of Waterloo as home. You will learn about the many student services the university offers, as well as the abundance of extracurricular activities available.

And you may feel overwhelmed at times this year, adjusting to new expectations for academic and workplace performance, learning the ins and outs of co-op and choosing among all of the great opportunities available to you. Always remember that there is a strong support network available to you: The First-Year Office is an invaluable service, here to help with your transition by offering academic and personal guidance. I am here to support students during this transition into the first-year student role, although for sure, that is probably the biggest part of who you are now. Still, the ability to address the problem at hand, i.e. improving your academic performance, requires gaining perspective. For some, this may come from religious or spiritual beliefs. For others, it may come from the ability not to isolate oneself but to connect to others socially or through some extra-curricular involvement. It might mean giving away a weekend to visit friends or supportive family members. A change of scenery can often help you regain perspective. Of course, don’t forget all the external resources mentioned above. A conversation with a counselor or advisor can often help you broaden your view of things. These are just some suggestions. You can do with this new tool unless you did. At the same time, your greatest internal resource may end up being your willingness to access your external resources ... your willingness to ask for help.

**3. Challenge your Conclusions**

A great strategy for managing through difficult times is to pay attention to the conclusions you are drawing from your current situation. If you think about it, events don’t have meaning unto themselves. We tend to attach meaning to events. Does that make sense? For example, someone else who did poorly on your first exam. That is clearly not a good thing. However, by more closely examining your conclusions about this event, you will probably recognize some pretty faulty thinking: e.g., I’m failing out of my program; I’m stupid; I’m never going to be successful in university etc. I try to help students recognize and challenge that thinking. Is there any solid evidence to support such thinking? Could you just as easily come up with many other conclusions? In counseling we refer to this strategy as "cognitive reframing", i.e. the process by which we examine the thoughts/conclusions associated with our emotions attached to events. There is usually little evidence to support the drastic conclusions we come up with in a time of stress. By challenging and reframing those conclusions you can more clearly define the problem and then take appropriate action to solve it. Otherwise, you can get bogged down in a lot of negative and inaccurate thinking.

**4. View Problems as Opportunities**

We live in a culture that worships happiness and immediate gratification. When things aren’t going well we tend to conclude that there is something “wrong”. We see a gap between what is happening and what we think should be happening and take a negative spin on it. Have you ever been going through tough times and actually asked yourself, "What opportunity do I have for growth in this situation?" We know it may sound trite, but many people, especially in conjunction with certain religious traditions, use this strategy. If you think about it, our lives consist of peaks and valleys. The easy times are the peaks but that is not when we develop our character. We do that in the valleys. Most of the time we, as counsellors, meet students in the valleys. We may not be able to “fix” things for you but we can help you navigate through these valleys. We try to help students recognize their inner resources and also identify strategies for survival in the tough times. You can learn to train yourself to embrace problems (that doesn’t mean “liking them”) as an additional opportunity for growth and learning. You might want to focus back on a difficult time in your life and assess how you grew as a result.

**5. Keep Things in Perspective**

When you encounter academic difficulties ... especially when academics has already been a strength ... it is easy to lose perspective and panic. Having perspective, in this sense of the word, means the ability to not define yourself strictly in terms of your identity as a student. You are much more than that. You have other significant roles in your life beyond your student role, although for sure, that is probably the biggest part of who you are now. Still, the ability to address the problem at hand, i.e. improving your academic performance, requires gaining perspective. For some, this may come from religious or spiritual beliefs. For others, it may come from the ability not to isolate oneself but to connect to others socially or through some extra-curricular involvement. It might mean giving away a weekend to visit friends or supportive family members. A change of scenery can often help you regain perspective. Of course, don’t forget all the external resources mentioned above. A conversation with a counselor or advisor can often help you broaden your view of things. These are just some suggestions. You can do with this new tool unless you did. At the same time, your greatest internal resource may end up being your willingness to access your external resources ... your willingness to ask for help.

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**Welcome Message from the Dean**

LEO ROTHENBURG
ACTING DEAN, FACULTY OF ENGINEERING

Welcome to Waterloo Engineering and to your Orientation Week! We are very pleased that you have chosen the University of Waterloo to pursue your post-secondary education. Once again we have attracted a bright and talented group of students to our first-year engineering programs. You should take pride in being a member of our faculty, where you will be in the company of top researchers and teachers, dedicated staff and motivated undergraduate and graduate students.

As you know, we are widely recognized as the premier engineering faculty in Canada, with an excellent co-operative education program, as well as tutorial sessions and upper-year mentors. Your professors and teaching assistants are also tremendous resources, and upper-year students can provide great insight. There are many services and resources available to you: all you have to do is choose to tap into these resources.

We encourage you to get involved with campus life, and invite you to make your Waterloo experience the best. We know, from our counseling experience, that a vibrant student body and value the contributions our students make to the faculty, the university and the community.

Your involvement in campus life is so important that the Engineering Counseling created a new staff position in early 2008, dedicated to enriching the Waterloo Engineering student experience. Robbie Jardin is your Student Relations Officer and your contact in the dean of Engineering Office. Get in touch with her to find out about activities in your area of interest, to provide feedback on Orientation Week or to share your Waterloo experiences.

Best Wishes,

Leo Rothenburg
Acting dean, faculty of engineering

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**Engineering Counselling**

To book an appointment:
Contact Shirley Norris:
(519)888-4567 x84761

Monday to Friday
9:30am to 4:30pm

Monday to Thursday: Kristine Meier
Thursday to Friday: Neil Gibson
Welcome fresh, to UW Engineering, where we try to help your career, long term, to be the best possible for you. And what has international exchange got to do with this? If you have lived most of your life in Canada, with just a few trips overseas for holidays or tourism, you can easily win by going on exchange to a foreign country and be totally immersed in their environment. The experience is often life-changing; it can open your eyes to the outlook, traditions and culture of your host country and to many peoples around the world. You will meet other exchange students from all the continents when you are at one of our partner universities for your 3A or 3B term (or both!). You will make life-long friends and contacts from around the world.

International Exchange is a privi-lege which we offer to students who have completed 2B and satisfy a number of other criteria. So why think about it at the beginning of 1A? It’s a great opportunity that deserves to be high on your list of things to plan for. It needs preparation, organization and forethought. If you plan ahead you can be among the 15% of your class who can go on this major adventure and learning experience.

We have exchange programs with some 60 top-tier universities in about 30 countries around the world. You need to evaluate which best suits your needs; some of our exchanges are restricted in numbers, some are open only to certain disciplines of engineering, for some you need to learn the language spoken in the country and used for instruction. In some of our exchanges it’s easiest to go on a one-term exchange in others two terms, or even a full year including a work term is best. All this is a part of planning for your future career, which could take you anywhere in the world. To get started, visit our website, www.eng.uwaterloo.ca/exchange for a wealth of detailed information and all the contacts you need to help you in the process.

You don’t need to worry about the money; more and more scholarships and bursaries are becoming available. Normally exchange students lose no time on exchange and graduate with their class.

Finally, exchange is great for fun, travel and tourism. You will visit parts of the world that stay-at-home students may never experience. Don’t take my word for it; talk to students who’ve gone, or read what they read they have to say. For example; Matthew Lee (SyDe 2005) wrote: “I wouldn’t have traded my experience for the world. My time on exchange was great; I got to go traveling and backpacking, got to meet some fantastic people from all over the world, and I graduated on time with my class and my friends! … If you are even just considering an exchange, I recommend without the slightest reservation that you go. Waking up and looking forward to every day in a new country… that’s just not a feeling that you get [if you stay at home]!”

SASHA AVRELIN
3N CHEMICAL

Hello everyone, my name is Sasha and as some of you may know I am the VP Education for Engineering Society B and will be on campus for the winter 2009 term. For a more formal introduction please see the VP Education report. In this article I would like to make you a bit more aware of some of the academic-related services EngSoc has to offer.

Exam Bank: This service you may find to be very useful come exam time. The exam bank is pretty much a collection of past final and midterm exams for all sorts of courses offered in engineering and outside of engineering. There are two types of exam banks. There is one that is available online and can be used from the convenience of your home / residence. It is as simple as going to http://engsoc.uwaterloo.ca/www/exambank/, logging in using your NEXUS login and password and then selecting the course you are looking for from the drop down list. The online exam bank contains scanned PDF files of the most recent exams. Another exam bank is available in the engineering society office (known as the “Orifice” – CPH 3132) and contains hard copies of the exams available on-line and a few older exams. Here you can sign out the exams using your WATCARD and make a photocopy in the orifice. Please note that some of the exams that are available in the exam bank have been submitted by students, some by professors. Hence if some of the exams will have student solutions, some will have solutions done by a professor and some unfortunately may not have solutions but they are still a valuable study tool! Hopefully you will find the exam banks useful and please remember that those services are made possible by you! So please submit your midterms after you get them back from the professor and we will scan them, return them to you and add them to the exam bank (your name and all personal information will be removed).

Work Term Report Centre: This service will become useful to you further down the road when you will complete your first work term. When you will complete your first work term, you will have to submit a report describing a certain project that you have worked on in your workplace. You shall find more information on this as the time comes to submit a report. But for now just know that the Engineering Society also offers a similar bank of old work term reports that have received very high grades, similarly to the exam bank. You may find those as valuable examples when preparing your work term report. In order to access the bank, go to http://engsoc.uwaterloo.ca/ww/wtr/ and log in using your NEXUS login and password. On this website you will also find some other useful information related to work term reports and the names of students who can assist you with your work term report.

Résumé Critiques: Résumé critiques are held at least once each term if not more and it is a service where upper year students will have a look at your résumé and provide you with feedback on how you can improve it. In the Fall 2008 term résumé critiques will be conducted in your first-year concept classes and will be done by a teaching assistant. Don’t miss those – they will be very helpful for finding great co-op jobs!

That is all for now – if you have any questions about the above services please do not hesitate to send me an e-mail to bscoc_vpcd@engmail.uwaterloo.ca and I will be glad to respond to any questions you may have!
OSPE & ESSCO Engineering Societies

The Engineering Student Societies’ Council of Ontario (ESSCO) is a provincial level organization that was made by Ontario Engineering students to convince the Engineers and Scientists of the province to create a student membership program. Since then it has been a link between the PEO and its members. So why not do ESSCO link members with the PEO, it links members with the Ontario Society of Professional Engineers (OSPE). Although OSPE is known to offer degrees in engineering studies across the province, it has a lot to offer.

The Ontario Society of Professional Engineers (OSPE) is the voice of the engineering profession in Ontario. There are three main components of OSPE: First, they advance the professional and economic interests of their members. Second, they advance the professional and economic interests of their members by advocating with governments. They have more of a focus on the provincial government than the federal government. OSPE is currently focusing on these three main issues:

1. Raising awareness of OSPE, their mandate and their members.
2. Offering constructive input into legislation and regulations that affect their members.
3. Pursuing demand-related legislation that can boost demand for engineering services across Ontario.

The idea behind the advocacy component of OSPE is to have the voice of engineers heard at the policy making table. OSPE works on getting policy makers to work with engineers who can help provide input and expertise while the laws and regulations are being drafted.

The second component of OSPE is offering services to its members. Some of the services that are offered to OSPE members include discounts on homes and car insurance, car rentals, gas, eye glasses, legal services, entertainment venues, and hotels. The third component of OSPE provides opportunities for ongoing professional development including a career services centre and networking events. Currently, OSPE has several services available to students, including discounts on many of the same items as a regular membership. Students are also able to use OSPE’s career services center to find a summer or work term job. OSPE is currently working with ESSCO to develop valuable services to their student members.

Over the past few months a relationship between OSPE and ESSCO has begun to blossom. The two organizations have been in contact more often and have had a face to face meeting recently (with the PEO). OSPE’s presence will be more observable at upcoming ESSCO events to help increase their visibility among Ontario engineering students.

Right now ESSCO is currently working on facilitating communication between OSPE and a representative from each member school (most likely the VP-External or External Director). If you have any questions about OSPE and its relationship with ESSCO feel free to contact the ESSCO President at president@essco.ca.

Frosh Mentoring

Hey Frosh!

We are your frosh mentoring directors for Fall ’08! Now that you are reading this, we would like to tell you about our awesome upcoming event. On Wednesday, September 10th, 2008, we will be going on a walking tour of the Waterloos. You should take this opportunity to get a sense of your surroundings, and meet some new people. The atmosphere will be very relaxed and there will be plenty of time to socialize with other frosh, and with upper-year students. We’ll highlight some of the important places off-campus, like where you can get groceries, good places to eat, and cool landmarks to visit. You can ask us questions about engineering, university living, or any other things you’ve been dying to know (brownie points for the best questions). This event was a blast last year and this year will be even better! You’re having an awesome frosh week and we hope to see you on Tuesday!

In summation: 5:30PM on Wednesday, September 10th, 2008 – CHF Foyer outside of POETS. Be there or be square.

We’ll also be running some other events during Frosh Week! We’re also working on putting together a frosh career fair for poster and information in the Iron Warrior or in future issues, to learn all about these other events. In the mean time we will also see you at the Frosh BBQ event, the BBQ on the Sunday afternoon after Frosh Week (Sept. 7th), and ComEng on Sunday evening, where we’ll be doing a midnight chill with some drinks to make sure all of you come out and have a great time meeting all the people involved in Frosh Week. Come out, mingle, get some frosh swag, and watch the video for the very first time! See you all there!
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*See store for details. UW Back to School Student Plan is only available to University of Waterloo students with valid student identification, on new 3-year term.
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Presidential Report

TYLER GALE & CAT HAY
PRESIDENTS

Welcome Class of 2013! We are your Engineer-
ing Society Presidents: Tyler Gale (A-Soc) and Cat Hay (B-Soc). The Engineering Society is the official orga-
nization of all engineering undergraduate students. You can think of it like your Student Council/vice presi-
dent/honorary brother/sorority advisor/a second family.

As the Presidents, it is our duty to oversee all operations of the Engineering Society and to manage the direction of the society with ref-
erence to our constitution and mandates. The Engineering Society is a registered non-profit organization with two businesses – the Coffee and Doughnut shop (C&D) and the Novelties Store, two full-time employees, and a wide ar-
ray of volunteer positions to manage the services and events we run. All of these positions are held by enthusiastic students like you, and we encourage you to get involved when director applications open at the end of the term. We currently have four presidents (and two of each VP position). Since we alternate between coop and school every four months, the Engineering Society is split into two separate entities: Society “A” (A-Soc) and Soci-
ey “B” (B-Soc). Each term the on-stream exec switches between the two societies, allowing us to main-
tain a consistent set of executive, direc-
tors, and members. All of you will start your term on campus in the fall while EngSoc B-Soc is back on stream in the winter (the 8-stream students).

We held bimonthly council meetings with all of the execs and representatives from each stream-
class. You will elect class reps in the first week, who hold voting privileges for your class, but everyone is welcome to attend and voice their opinions. Our first meeting was on Wednesday, September 17th at 5:30pm in CPH 3385, to be sure to come and find out what’s happening around campus (including events, what the execs are up to, and opportunities). There is also free food provided!

Some other hot topics in engineering include:
- the EngSoc Office (OffiCt in CPH 1327, and POETs (CPH 1377) - our student lounge/put where you can hangout anytime to relax and watch a movie or two after class or during lunch!
- in your fresh week bags you also received “The Book”. It is full of useful information about engineering student life and we highly recom-
-mend reading it先进技术. A document like this is the only clue before it the academic term picks up. If you have any questions, feel free to ask the upper-year stu-
dents. We are more than willing to help.
- we look forward to getting to know you over the coming terms!!

As VP External, it is our job to represent you, the engineering undergraduate students, and the Faculty of Engineering as a whole. We do this by attending monthly meetings held by the Faculty of Engineering and are the dedicated people who maintain the university’s endowment fund compiled from years of dona-
tions. WEEF, as it is commonly referred to, is run on a simple concept and was started in 1990 by two engineering students. A large principal endowment fund compiled from years of dona-
tions is invested continuously and the interest is used to buy materials and equipment for your labs and student teams. This principal cannot be removed to ensure WEEF will continue to grow. WEEF is also a great way to provide the university with the money that goes. The funding allocation is per-
fessional once a term by a funding council. The funding council is composed of one representative from each on-
terms engineering undergraduate class. That means that in a week or two you will be choosing someone in your own class who will be representing you for the entire year. WEEF is a great way to get involved with other schools. We do this to have the opportunity to meet other engineering students, and take action through engineer-
ing society directed council issues entitled "Academic Services" and "Frosh Mentoring". Check out articles in this issue entitled "Academic Services" and "Frosh Mentoring", and find out more information about those services. In the first few weeks of the term, you will be electing class reps. There are various reps to be chosen: EngSoc, WK, and academic. These reps will be your voice, and it is a great way to get involved. EngSoc will be around to help you stay on top of your grade, talk to your professors, or just have fun. If you have any questions or issues, please feel free to approach us or e-mail us: uwaterloowees@gmail.com or vpr@engmail.uwaterloo.ca. This week it is too much. If you have issues with professors, lectures, TAs, tutorials, marking, etc. they are the people to talk to. They will be able to approach the president of our behalf (in confidence) and address the issue. Also, we can see similar issues if necessary. If you ever have any issues or ques-
tions, please feel free to approach us or e-mail us.

VPX Report

SARAH SCHARF & LAURA SISSON
VICE-PRESIDENTS INTERNAL

Hello! I’m Sarah, and I’m Laura, and we are your Engineering Society (EngSoc) Vice-President In-
ternals (VPI). We are in charge of planning Eng-
Soc events, which happen on campus. Welcome to University of Waterloo Engineering! We are so glad that you decided to choose UW, as this is a great school with great support for engineering students. EngSoc exists to be a resource, as well as a second family.

Not only do we plan events for the engineering students here at the school, but our students also receive helpful services to students. Some, but definitely not all, services we provide are: cheap photocopying and report binding, résumé critiquing (believe us, this service will come in very handy when it comes time to apply for coop/jobs), and an exam bank for studying off of past exams. As the EngSoc exec, we also represent the student on an aca-
demic level by organizing course critiques every term, and having an engineering student voice on various UW committees such as the PDEng review committee (If you don’t know what PDEng is, don’t worry, in time you’ll find out...)

I, Sarah, am VPX for the current Fall term, and I, Laura, will be starting as VPI in January, so those coming back to campus after Christmas (8-stream) will get to meet me then. As we said before, the two of us are in charge of all the events that are run right here in UW Engineering. Some of these events include EngNite (lunchtime games requiring some engineering skills and imagination), sports tournaments (can include anything from soccer, basketball, possibly cricket this term, and many more), TellAll (a really awesome talent show featuring yours truly and the other A-Soc execs, guaranteed to make hilarious and other great acts), and SemiFormal (a chance to meet as many people as you can remember, eat, and dance the night away). We are both looking for-
toward to seeing you at our events, and hope that you have a great time during your years at UW.

If you need anything, or have any questions, or get lonely, we always love to chat, and we can be found in the Orifice, the EngSoc office located at CPR 1327.

As VP External, it is our job to represent you, the engineering undergraduate students, to organiza-
tions outside of the school and outside of our faculty. Throughout the year we will be attending multiple student conferences at both the provincial and the national level, in order to meet with students from other engineering programs and to learn about other exchange ideas, discuss issues affecting undergrad-
uate engineering students, and take action through lobbying initiatives. These conferences are held all over the province and country, and for many of them there will be an opportunity for you to apply to come along as a delegate. The most notable of these events include the First Year Integration Confer-
tee (FYIC), which will be held in Ottawa early in the winter term. This is a great opportunity to meet all of your fellow engineering students and to learn about the Engineering Student Soci-
ieties Council of Ontario (ESSCO), which all UW Engineering students are a part of. There is also an opportunity for those of you who are interested, to help organize ESSCO’s Annual General Meet-
ing which will be held at UW during the summer vacation period. This is a three week camp held in Waterloo and is an awesome chance to learn about student govern-
ment at the provincial level as well as meet a lot of engineering students from across the province. If you want to be a part of this team let us know!

It is also our job to mediate with the Professional Engineers of Ontario (PEO), the body that licenses all Professional Engineers within this province. We will be doing this by attending monthly meetings gives students the power to decide where the money goes. The funding allocation is per-
fessional once a term by a funding council. The funding council is composed of one representative from each on-
terms engineering undergraduate class. That means that in a week or two you will be choosing someone in your own class who will be representing you for the entire year. WEEF is a great way to get involved with other schools. We do this to have the opportunity to meet other engineering students, and take action through engineer-
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VPX Report

BRANDON DEHART & MATTHEW BUSTER
WEFF DIRECTORS

Hello to all the new Engineering undergrads.

Congratulations on your achievement of mak-
ing it to the University of Waterloo and more specifically Waterloo Engineering. There are many amazing study aids and resources available here on campus. Some of these events include EngNite (lunchtime games requiring some engineering skills and imagination), sports tournaments (can include soccer, basketball, possibly cricket this term, and many more), TellAll (a really awesome talent show featuring yours truly and the other A-Soc execs, guaranteed to make hilarious and other great acts), and SemiFormal (a chance to meet as many people as you can remember, eat, and dance the night away). We are both looking for-
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It is also our job to mediate with the Professional Engineers of Ontario (PEO), the body that licenses all Professional Engineers within this province. We will be doing this by attending monthly meetings...
“What do you like most about UW Engineering?”

Sunny Ng, 4N Computer

Sunny Ng, 4N Computer

“Yousof Al-Khdher
2A Management
“The sausage fest.”

Sylvia Wu
1T Mechatronics
“The TOOL is an awesome mascot to tattoo on one’s ass. Can you imagine tattooing a stick (Guelph’s mascot)? That’s just crude.”

Rob Graham
4N Computer
“Using engineering skills to optimize selecting the easiest elective.”

Spencer McEwan
2T Electrical
“My threshold of pain has been made substantially higher.”

Mary Bland welcomes you to the Orifice!
Many of Engineering Society’s services can be found in the Orifice (the EngSoc Office) located in CPH 1327.

You can learn more at http://engsoc.uwaterloo.ca
bring your ideas to life

Seventy creative, entrepreneurial, tech-savvy students. One unique residence.

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Apply now for Winter and Spring 2009 @ VELOCITY.UWATERLOO.CA

PETER
2B Systems Design Engineering
VeloCity Resident | Fall 2008
Engineering Competitions

KEVIN LIU
ZT ELECTRICAL

Did you like the Junkyard Wars during Fresh Week? Wanna do it again? Come on out to the Ontario Engineering Competition 2009! The competition will be held at the University of Guelph in February, and the top two winning teams in each category will get to go to the Canadian Engineering Competition at the University of New Brunswick.

The competition consists of six categories:
Senior Team Design – Third and fourth year students compete in teams of four to solve an engineering problem divuged on the day of the event.
Junior Team Design – First and second year students compete in teams of four to solve an engineering problem divuged on the day of the event.
Innovative Design – Teams assess the technology, cost effectiveness, and feasibility of a unique product, service, or process that they have invented. Students can usually use their fourth-year design projects for this competition.
Consulting Engineering – Teams construct and promote an engineering solution to potential customers.

Athletics at UW

P-to-the-WHAT?

JD O'LEARY
ATHLETICS DIRECTOR

Engineering Communications – Competitors must present a well-supported viewpoint on a technological issue using terms familiar to the general public. Teams may consist of one or two members.
Parliamentary Debate – Teams of two compete in a formal debate format with judges deciding the winner. Competitors will encounter a wide variety of resolutions.

The competition is a great way to supe up a resume – employers love group expeince! There will be a job fair, which provides you a chance to get ahead on co-op work terms, and possibly even secure a permanent job before you graduate. Finally, the competition and accommodation are all free, and you might even get monetary prizes.

How do you get involved? Just stay tuned with the Iron Warrior or watch out for postcards on your bulletin board. The first meeting will be held after the Fall midterms (A-SOC) and during the beginning of the Winter term (B-SOC) to decide which students get to represent UW at the competition.

Do you have any questions? Just email kristen@engsoc.uwaterloo.ca or stop by the bulletin board at the Engineering 1 West entrance.

Engineering Jazz Band

SUNNY NG
4 COMPUTER

Engineering Communications – Competitors must present a well-supported viewpoint on a technological issue using terms familiar to the general public. Teams may consist of one or two members.

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Engineering Jazz Band

KRISTEN ROBERTS, HANNAH LINDSEY & NADINE FERGUSON
P**5 DIRECTORS

You may have heard of us before, we’re With Respect to Time, the Engineering Jazz Band. If you have attended either Student Life 101 or March Break Open House earlier this year, you’ve probably heard us play!

WRT is a 20something-piece stage band consisting of mostly engineering students from different departments and years, and is run under UW Engineering Society. This entirely student-run band is the biggest of its kind on campus and has experienced constant growth since its formation in Winter 2005. The main objective of the band is to make music in a fun environment, as such, there are no auditions. The band starts up at the beginning of each term.

While playing in the band is a lot of fun, commitment is also required. Weekly rehearsals are held every Sunday night in the Multipurpose Room of the Student Life Centre. Additionally, sections are held at various times during the week. Each band member is expected to commit at least 5 hours a week to practice. As well, the band performs several times during the term.

In the past, the band has played at various Engineering events such as EngPlay (the termly Engineering drama production), Tallking (the termly Engineering talent show) in addition to campus-wide events such as UW Canada Day, Student Life 101, Warrior Weekend, March Break Open House and even at the Arts Gala Formal! During the past Winter term, the first Engineering Music Exchange was held where the stage bands of both UW and University of Toronto traveled to each others’ campuses to play. We also put on an End-of-Term Charity Gig each term to showcase our achievements.

In the past, we have managed to raise over $500 to charities such as the Waterloo Regional Food Bank and the UW Chapter of Engineering Without Borders in one night! Let’s face it, as much as you like engineering, it is probably not the only thing you enjoy doing. Why sacrifice your other interests and let your other talents go to waste? While it’s true that being in Engineering may require a lot of time to study, complete assignments and attend lectures, it is also important to keep a balanced lifestyle to keep yourself from going insane. If music is your thing, joining the jazz band is perfect. Besides, don’t you want to prove to yourself that you have at least a few talents.

With Respect to Time at the End-of-Term Charity Gig in Spring 2008.

Sunny Ng

Adopt-a-Shadow

KRISTEN ROBERTS & JULIANNE KLINE
SHADOW DAY DIRECTORS

After two months of anxiously counting down from graduation, Fresh Week has arrived. In an instant you are thrust into a different world. Some of you may be living on your own for the first time, away from your friends and family. Others will get to experience the wonderful gourmet food of the V1 cafeteria (insert sarcastic tone here). It’s an eye-opening experience and it’s happening quite quickly. Before you know it, you will be studying for and writing your first set of midterms. No need to freak out over this at the moment. If you are looking for help, you can easily find it, and a great place to start is your TA’s office. But I’m not writing an advice column or sharing my experiences. Actually, on the contrary, I’m asking for your experience and your help.

Now I’ve probably confused you. Maybe thinking “I’m a Fresh, what experiences could I have that could possibly be of interest to you?”

Every fall term, towards the end of Octo- ber, the Faculty of Engineering holds an event called “Shadow Day.” This year is no different.

It is a chance for eager high school students to get first-hand experience of the campus by ‘shadowing’ a current engineering student from the department of his or her choice. For half a day they will attend your lectures, labs or other morning activities so that they can learn what it’s like to be a Plummer (undergraduate UW engineering student). If you are interested in joining the band or learning more about us, be sure to check out our website at www.engjazzband.com, or e-mail us at info@engjazzband.com. Our first rehearsal will be held on Sunday, September 7th at a location and time to be determined. Feel free to drop by and say “Hi!”
Federation of Students
President's Letter

JUSTIN WILLIAMS
FEDS PRESIDENT

Hello, and welcome to our incredible UW community. It is a pleasure to introduce you to the Federation of Students. As the governing body for full-time undergraduate students at the University of Waterloo, the Federation of Students works to serve, empower and represent the interests of the undergraduate population on campus. We accomplish this mandate through a series of representative bodies, clubs, services and businesses.

The best part, of course, is that over the next five years you can use each of these avenues to shape the University of Waterloo campus, so that it reflects your vision of an ideal campus.

If you enjoy lobbying, debating university and government education policies and want to make sure that the structures to do so are adequate to foster a rich student experience on campus, then the Federation of Students has opportunities for you. During your first year on campus, you can run for positions on Students’ Council to represent other students in programming, to become a member of one of our commissions or standing committees and become a member of the First Year Working Group.

In addition to involving yourself in the governance of the Federation of Students, you can also work to shape the Waterloo community by getting involved with our clubs and services. Our club structure supports the creation of clubs that can be religious, cultural and social in nature and work as outlets for students to become engaged with other students who share similar experiences, beliefs and interests. In addition to clubs, the Federation of Students also offers services which are established when it is felt that there is an unmet need on our campus. At current, we have nine services: the Campus Response Team, Co-op Student Services, Food Bank, GLOW – the Queer and Questioning Community Centre, International Student Connection, OSS Campus Door, Student Refuge Program, UW Sustainability Project, and the Woman’s Centre.

Finally, whether you are looking for a well-structured and challenging environment, a large venue to host an event or a job while you are in campus, the Federation of Students can help you out. That is because we own six businesses that all share the same dedication to serving students and making sure that your experience on campus is one that you are proud of.

I hope this makes it clear that we pride ourselves on working with our fellow students to make this campus great, and we want to provide you with the tools to have a worthwhile student experience.

So, stop by our office in the Student Life Centre and check out our website to let us know what we can do for you.

Remember, make this campus yours.

Justin Williams, for the 2008/09 Federation of Students’ Executive Team

A Message from POETS

JD O’LEARY, DANIELLE TERTULLA & HANNAH LINDSEY
POETS MANAGERS

For those of you who don’t know, POETS is the engineering lounge located by the CPH foyer (CPH 1337). Since POETS is officially closed during Fresh Week, your introduction to the infini- mity lounge will happen on Saturday, September 7 at the Fresh Mentoring BBQ and the Cancer Society Headshave.

POETS is a very welcoming space filled with comfortable couches and chairs, where you will always find fellow engineering students relaxing, watching movies, and even sleeping during class. There is also a big screen TV that playsце every Tuesday around 7:30pm in CPH 3385.

EngSoc Meetings

JD O’LEARY
ENGSOC SPEAKER

Though most of you have not had a formal introduction to the Engineering Society (which will happen on Sunday), I thought I should take this opportunity to invite you to attend EngSoc council meetings. Any member of the Engineering Society (which you all are!) is welcome at these meetings, which happen bi-weekly on Wednesdays throughout the term. The first meeting is on September, Wednesday 17th from 5:30pm – 7:30pm in CJP 1388.

EngSoc meetings are an opportunity for students to gather and discuss important issues affecting the Engineering Society. Each class will need to elect a class representative or representatives to attend all meetings and vote on behalf of your class. Though each class only gets one vote, as many people as possible would like to attend the meeting.

Meetings generally start with an address from each of the executives, then move on to “old business” or matters that have yet to be sorted out from previous meetings, and finally new business. New business consists of directors and students passing information, voter registration, as well as formal updates. EngSoc is here to get in touch with the other engineering clubs and it is a great way to ensure that everyone who is interested in attending these meetings can be气血到 telling you about:

POETS MANAGERS

TAM BANDURA
2A MECHANICAL

I will be running Enginity for the Fall ’08 term. What is Enginity, you ask? It is a series of small competitions run during lunch over the term. You can compete in teams of up to four. In each competition, you will be given a task, some materials, and it will be up to you to develop the best solution. Prizes are awarded for each event and overall winners are awarded champions! Think of it as a cross between MacGyver and Junkyard Wars (albeit much smaller). The first competition will take a twist on the classic “egg drop.” Keep an eye out for advertisements for signing up and the first competition! Enginity

Chemical Engineering

MICHELLE CROAL
2A CHEMICAL

Chemical Engineering is one of the more traditional engineering disciplines, but that doesn’t make it any less important to modern applications. Chemical engineers are needed in any process that involves the chemical manufacture of product from raw materials. This used to mean just chemicals and materials, but now chemical engineers work in pharmaceutical applications, food production, oil and gas, chemical production, and office and lab environments to name only a few.

In first year at Waterloo, C11 students take a few introductory courses in chemistry and math. In addition to the general calculus, algebra and physics that other disciplines take, there is also some exposure to programming, electrical circuits, and bio- tech. More challenging to do outside of POETS. In addition, and management science, in addition to some more chemical engineering specific subjects such as thermodynamics, chemical reaction engineering and fluid dynamics.

Chemical Engineering
When you first announced to your family and friends that you were going into Computer Engineering, you may have been met with such inquiries as “What the hell is that?” and “Are you going into Computer Science…?” which will often result in such defensive answers as “Don’t insult me like that!” and “I’m actually going into a career that won’t be replaced by monkeys on typewriters any time soon, okay?”

But what exactly is Computer Engineering? Computer Engineering is a broad field which covers skills and theories applicable in design, building, and testing computer software and hardware components. First year is very general; you will learn about the main concepts of Computer Engineering. This is where you will learn about circuits, magnetic fields, and much more. There is also a lab component which you will get to see the circuit components you learn about in action, as well as Computer-Driven Tools (CĐTs). You will learn about concepts in software and digital hardware. You will work in small and medium-sized teams in upper year, which will have more labs and projects as opposed to assignments and quizzes. In fourth year you will be working on projects that suit your own interests, in addition to the infamous Fourth Year Design Project, which is a major group project which includes a symposium component. You will be working on that in your 3B term.

Obviously, there is quite a bit of programming involved in Computer Engineering. You will take your first programming course (ECE 150) in your first term. From there, you will be taking the most basic programming concepts in C++. If you have any experience in programming, you should have no problems whatsoever with C++ – it’s only an introductory course, and there is plenty of help available.

Computer and Electrical Engineering form the backbone of the Department of Electrical and Computer Engineering (ECE). The two programs share many of the same courses. If programming or math isn’t your thing, you might want to consider switching to Electrical Engineering. Fortunately, the curriculums for the two programs are so similar that it is not difficult to switch between them. In fact, prior to 2B (second half of second year), students from both programs take almost exactly the same courses. Contact the First Year Office or the ECE department for more information on this switching.

Most students in Computer Engineering have no problems finding co-op opportunities, as the field is so broad that there are many opportunities available. You can do co-op in a wide range of industries, from tech powerhouses such as Google, Microsoft, Apple, Amazon, IBM, Qualcomm, IBM, INTEL, GE, to smaller companies such as Morgan Stanley and Barclays, which routinely come to Waterloo to recruit potential employees.

Now that you know what you’re in for, best of luck and hope you succeed!
Mechanical Engineering

JASON NG
3B MECHANICAL

So here is what you should expect from the next few years in your life as a mechanical engineering undergraduate at Waterloo.

I’m not going to lie, first year will be tough. You will be bombarded with numerous assignments a week from every one of your courses, particularly those in the Systems Design course. Although this course has been far the heaviest workload, it is also far the most interesting.

Do your best to remember everything you learn in this course! They may ask you about it in second year.

And hang in there with the assignments, later in on life you’ll look back and be proud of the accomplish you achieved for yourself.

As soon as you graduate from the first year, you will have your first nano-specific course, 3B Architecture (UWSA). You will be expected to solve the Schrödinger equation. The best part about this is that it’s always a huge hit at parties. Trust me; nothing impresses the ladies like a man who knows how to normalize a wavefunction.

You’ll also spend the first week of classes learning the three central tenets of nano, which are:

1. That “nano” comes from the Greek word “nanos” for “dwarf”, and is a prefix meaning “10^-9”.
2. That the number of transistors that can be inexpensively placed on an integrated circuit is increasing exponentially, doubling approximately every two years.
3. That Richard Feynman is awesome.

Things will start to get a little more intense in 1B, where the men are separated from the boys and the women from the girls. “Bucking down”, “busting your ass” and “putting your nose to the grindstone” are all highly recommended.

You are here. If you haven’t, you have now. But seriously, though, you are here. If you don’t take the time to enjoy yourself on occasion, then you will feel so stressed that you won’t think of anything but the UW experience is worth it. If you get involved in random activities, you will have something to look forward to, you will meet more people, and you will enjoy life at UW just that much more.

Congratulations on joining the ranks of Software Engineering here at UW. You have worked hard to make it here, and you will work even harder in the years to come. Good luck to you all, and I leave you now with three words of advice that should be heeded by everyone in SE: Sleep is good.

RUSSELL STERRET
2T NANOTECHNOLOGY

So you’ve decided to come to the University of Waterloo to study Nanotechnology Engineering. Like most young, intrepid freshmen, you probably have a lot of questions floating around in your mind. Questions like: “What exactly is nanotechnology?”, and “What kind of sick people would spend their free time stuffing porous inanimate objects into invisible boxes?”? Some of you might even be a little uncertain about choosing to enroll in this program. My advice: don’t worry. According to the laws of quantum mechanics, we can never, ever be absolutely certain about anything whatsoever in the entire universe, so you might as well get used to the feeling and enjoy the ride! Not that. I have a feeling that you will be exposed to your first nano-related paper, I can move on to discussing the finer points of your nanotechnology futures.

In 1B, you will be expecting to take some sort of standard engineering mix of classes; you’ve got your calculus, a little bit of linear algebra, and you’ll learn how to use MATLAB, the most awesome programming language in the world. You’ll also have your first nano-specific course, NE100, which, among other things, teaches you how to do cool quantum-y stuff, like how to solve the Schroedinger equation. The best part about this is that it’s always a huge hit at parties.

Mechatronics Engineering

SYLVIA WU
1B MECATRONICS

There is one thing that all Mechatronics Engineering students are guaranteed to experience during their studies at the University of Waterloo; you will be asked to write code. Mechatronics Engineering is during cos-op job interviews. If you skip your MTE 100 lectures by Professor S. Bod, you are also guaranteed to blank out upon being asked some questions, and have a response that earns yourself a “not ranked” by the end. To help you out here, I’ll give you the easy version: Mechatronics Engineering is a marriage between modern electronics and mechanical engineering. The program will allow you to explore the design of computer-controlled electromechanical systems that control automobile and aircraft systems like steering and braking. This makes graduates of Mechatronics Engineering highly desired.

It’s not a bad deal, but you don’t just sound cool, although that’s the reason why 90% of you are here. Rest assured that you’ll enjoy it, since there’s something in it for everyone. The program will allow you to explore the design of computer-controlled electromechanical systems that control automobile and aircraft systems like steering and braking. This makes graduates of Mechatronics Engineering highly desired.

I have to say that you won’t be working together to achieve victory. And you’ll see something similar to this once Orientation Week is over: there will still be some comparison between some of you to see who achieved the highest value, but you’ll still be working together to understand the concepts covered in class. The time to meet as many people as you can this week, first year, will prove to be invaluable in your upper years, especially when group projects come around.

SLEEP IS GOOD.

TRICIA ENNS
3N SYSTEMS

On my first day of class one of our professors asked everyone in the class why they chose Systems Design Engineering. Some said they wanted to go into management after graduation, others hoped to use it for entrance into medical school. However, the majority of the class, including myself, really was not sure. What Systems Design is for the confused and indecisive, a gener- al engineering (as many outside of SYDE believe it to be), rather than a unique field of engineering. As Engineering Diversity, the field is unfamiliar to many of us, and still feel, is due to the diverse range of skills and interests SYDE students possess.

Although you have to take many of the core courses your fellow engineering students also take: including calculus, physics, and pro- gramming, the Systems Design Program makes prior experience a strong emphasis on how all of the disciplines, both inside and outside of engineering, work together to form the world we live in. And if you’re not feeling inspired by the educational ex- pansion is evidenced by the open-ended group design projects you will be required to do in five of your eight academic terms. In my class alone, we have included an automatic fire evacua- tion system, an exercise machine that generates electricity as you lift weights, traffic lights powered by the wind that passing cars produce, and many more. With such a vast spread of projects produced by each class no wonder we have a hard time defining what SYDE is. Let me be honest, every professor has difficulty with this question.

Don’t worry though, you will not be alone struggling with your identity crisis, you will have you’ll find your way around the vast campus, meet new people in large groups, and learn more about your home and your classmates your entire class and those above you for support. As soon as you sign-up for any type of engineering course, you will find that the academic regimen of Mechatronics Engineering doesn’t just sound cool, although that’s the reason why 90% of you are here. Rest assured that you’ll enjoy it, since there’s something in it for everyone. The program will allow you to explore the design of computer-controlled electromechanical systems that control automobile and aircraft systems like steering and braking. This makes graduates of Mechatronics Engineering highly desired.

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SLEEP IS GOOD.

This next five years are going to be full of laughs, tears, sweat, frustration, joy, but mostly fun. Remember to always work hard and play hard to avoid burning out!
This brings me to the next big question: why Cambridge? We are proudly
Waterloo's first satellite campus and are improving the quality of life there for the students and the Cambridge commu-
nity. Andrea, you might remember Rick Haldenby, director of the School of Architecture, can tirelessly re-tell the story of how Cambridge's mayor (and thus city) requested for the school to move there, so I won't steal his thunder. The point I only'd like to get across is that it really isn't so bad.

As a community with very similar goals and therefore very understanding indi-
viduals, the school always embraces busy schedules, sleepless nights, and varying in-
terests. Respectively, there are always staff members readily available to help when you need it, Red Bull and Pancake sessions during the odd hours you might just take my word for it, and 3-on-3 basketball tournaments to weekly pool challenges at the local “pool hall”. So if ever you ever see a flying object for what (main) campus life might be like, remem-
ber that you are in the fortunate position of being part of a family. This is a group that will you will always love, whether you have interests, strengths, weaknesses, and, in-
evitably, things about you that you’d rather not talk about again.

And we will embrace you for those little idiosyncrasies and mid-
night ramblings with the odd show-tune performance.

Now, where are we here? In this world, on this Earth, I do not have an answer (you might, after 3rd year cultural history. Or you can make friends with an Arts major) but I can tell you that you are here for an experience.

The next 5 years will be a time that will teach you, reveal you, and change you. You are here to grow as students, ar-
chitects, and ultimately people. From trips to New York, to studio deadlines, to your first co-op, and Rome, there is always something new to look forward to.

I can almost guarantee that you will dis-
cover how to work on no sleep and sur-
mounting amounts of pressure, draft like a machine, sleep in the most ob
cure positions at the most unnatural of times, read a book (or more) a week, replace pictures of people you meet with a new picture of them every 40 GB of music and be bored of it every last song. But above all, I guarantee you will discover something about your-
self. Be proud of your accomplishments and remember that people have been there and made it through it – and if we didn’t think you could, frankly you wouldn’t be here.

Before writing this, I mused with a friend that I would write just about any-
ingthing, but as I came to the end I realized the words I had written for it, and wouldn’t re-read the article in 8 months, saying, “Andrea, you were ly-
ing when you said this would be fun.” But I sincerely mean every word I’ve written and hope that one day, even if not at the end of 1B, you will believe me when I say you deserve to be here and there is a reason for it. It’s because 1B will not bring you back from someone else’s, but at one point, you will understand. In the meantime, welcome to the Architecture School – it’s going to be wild.

R3Design can help to identify needs and bring the components together to form a coherent whole.

R3Design is about bringing people together to tackle these challenges. Started in February of last year, R3Design’s mission is to gather people from all different walks of life who care about their effect on the eco-
systems around them to discuss and ultimately par-
ticipate in design projects to improve that effect. They discuss the meaning of “ecological design” and how that relates to the ecological effects of a product, a process or a policy.

This fall, we will also be launching on our first site in the heart of the city – the City of Waterloo. We will be focusing on an entire neighborhood, open for all residents interested in the area, and will bring an interesting perspective, level of exper-
tise and guidance into your work.

Students will be working independently under the name of the UW Sustainability Project office on any projects, alone or in a group, that relate to cre-
ating a more sustainable environment at UW. The purpose of UWS is to provide the opportunity for inter
terdisciplinary student research. Students will be able to apply what they learn in their classrooms into real life examples on campus to solve environ
tmentally relevant problems, or improve the sustainability of the campus environment.

We also heavily encourage those on cam-
pus to develop a project that is in line with their personal interests and resources. We are committed to the idea that if you can’t do it, you won’t.

With that, I’d like to invite you to visit our website at www.R3Design.org or email us as president@R3Design.org.

I must get everything sorted out. Our first meet-
ing will likely be on Thursday, September 18th at 5:30pm at a location to be announced shortly. We will be bringing the students involved in the site and their lifecycles, as well as the site’s occupant.

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Although robotics has been evolving for many decades now, we are constantly pushing the envelope. Amazing robots work in all environments, be all sizes, and do wider ranges of tasks. The University of Waterloo Underwater Technology Team (UW/UT) is devoted to building underwater robots and developing innovative technologies for underwater applications. Since 2006, (UW/UT) has been building its first ROV, a Remotely Operated Vehicle (ROV). The team, which seven team members travelled to St. John’s, Newfoundland and Labrador to test their year’s work. This year, another six team members brought Neo 1 to the 2008 MATE ROV Competition in San Diego, California. The competition helps to build well-rounded engineers by having a strong communication component to the competition. Teams are required to write a technical report, present a technical presentation, and create a technical poster to win points. In addition, team members learn to solve problems quickly, sometimes at the poolside.

On almost every weekend, the sound of a screaming 600cc engine can be heard dominating from C Lot. This beautiful noise comes from the UW’s Formula Motorsports team’s single-seat IAR, formula car. Stylish, daring, designed, and engineered, the team’s Formula SAE challenge. The team designs and builds a new space frame chassis car every year for this competition, and has done so for over twelve years, resulting in a total of seven cars. The core team consists of mainly fourth year students, who design the subsystems as part of their design course, but a larger part of the team is made up of machinists, technicians, and third year students. These students join the team for a variety of reasons. Some like going fast, some love cars, while others are interested in getting their design skills to learn in a more practical, hands-on way. Business-minded students also find the team to be a great opportunity to hone their skills as well.

During the fall semester, the team holds a 10-kilogram payload, which is capable of carrying a 10-kilogram payload and is mostly composed of Mechanical, Mechatronics and Electrical Engineers, the team would derive a generous benefit from the training in terms of Design, Management, and Software interests.

If you have any questions, feel free to direct them to WARG’s team president, Jason Dyck (by e-mail to warg@engmail.uwaterloo.ca, or in person at E3 2266).

For the last several years, WARG has been primarily focused on the International Aerial Robotics Competition (IARC), held at an American military advanced technology education center (MATE) and the administrative side of the team, so we welcome members from all disciplines, not just Mechatronics (what kind of ridiculous name is that? And I don’t mean to be unkind, everyone has taught us anything, including design project or thesis, or a faculty member with parallel research interests, WARG is interested in knowing the date and time in early September when you’ll never forget, as you become a well-rounded engineer. Our members get to learn about the big picture rather than just their specific tasks associated with their discipline. Because of the competition’s high profile, we’re always travelling to one work shop or another, networking with leaders from some of the most important automotive companies in North America. Being involved with UWARG is a great way to get a cross-section of engineering skills. Our members have found coop jobs or even full time jobs with places like General Motors, Azure Dynamics and Argonne National Laboratory. The team is mostly composed of Mechanical, Mechatronics and Electrical Engineers, the team would derive a generous benefit from the training in terms of Design, Management, and Software interests.

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Looking to get more out of school than just lectures and coop terms? Interested in learning about automotive engineering? Then check out the University of Waterloo Underwater Technology Team (UWARG)’s recruitment meeting, which will be held as a collaboration with the University of Waterloo Robotics Team (UWRT). We are looking for students to help us design and build our Underwater Technology Team's pursuit of aerial robotic mischief, and will be held in the second week of classes where you can see some of the teams in operation. Be sure to check out our booth during Frosh Week and come to our recruitment meeting held in September! We have done so for over 21 years in a row.

The UW Alternative Fuels Team (UWAF) is a group of students committed to building and testing an alternative fuel vehicle. The group is comprised of fourth year students who design and build a brand new vehicle to compete at Baja SAE’s Mines Mini Baja design competition. The team designs and builds a new space frame chassis car every year for this competition, and has done so for over twelve years, resulting in a total of seven cars. The core team consists of mainly fourth year students, who design the subsystems as part of their design course, but a larger part of the team is made up of machinists, technicians, and third year students. These students join the team for a variety of reasons. Some like going fast, some love cars, while others are interested in getting their design skills to learn in a more practical, hands-on way. Business-minded students also find the team to be a great opportunity to hone their skills as well.

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ensured the individual programs worked.

The September 27, 1963 edition of The Corypheus gives even more details on "initiation" with an article discussing the school-wide scavenger hunt (apparently approximately 140,000 pennies), Hall to Waterloo City Hall (which is apparently 140,000 pennies), the (seemingly) annual 'Froshman Hop' (apparently approximately 140,000 pennies), with hotdogs, a challenge to make a line of someone named Brigitte Bardot), a game to measure the length of a city block with hotdogs, a challenge to make a line of pennies stretching from Kitchener City Hall to Waterloo City Hall (which is apparently 140,000 pennies), the (seemingly) annual 'Froshman Hop' dance, and some unknown event called the 'Warriors Initiation' (apparently approximately 140,000 pennies), that acquired things like wagons, tractors, hay bales, snow fences and pictures...
Things That Every Undergrad Should Know

ANN-MARIE WINKLER
08 MECHANICAL

In 4 and 23 years, you seem to come up with a lot of things that you wish you had learned earlier. So here’s a short list of advice compiled from the upperclass men to help you out. Hopefully it teaches you a thing or two that you can find useful.

On matters of fun:

- "Work hard, play harder" is more than just a motto.
- It’s always of your style.

- An enjoyable morning begins a boring night.
- Every other faculty except Math has girls if you get involved in an Art party. GO.
- Engineering boys forgo love to Engineering girls from Waterloo.
- When the doors of OPENS are open, you can go in. You might just enjoy it.
- After you graduate, you’re not going to remember the tests that you take or the grades that you make. You’re going to remember everything else.
- Always be a good wingman. You never know when you might need one yourself.

On alcohol:

- If you don’t drink, you can still have fun at events where other people are drinking.
- If a friend choose not to drink, respect their decision, whether or not it’s always or occasionally.

- Never lose your drinking buddy.
- Always have a Sharpie on hand when drinking.
- Always beware the guy with the Sharpie when drinking.
- When you get invited to June Love’s strawberry daiquiri party, GO!
- Just because you CAN drink something, doesn’t mean you should.
- The drunk tank may not be comfary, but it’s a safe place to spend the night if you’ve got nothing else.

On academics:

- Go to ask for help!
- When you’re looking for help, don’t always look within your year, and don’t always look within your discipline.
- Find something to do other than school, or you WILL lose your mind.
- Your TA’s are getting paid to help you! Don’t ever look for help from them.
- Your WEET is an extra paid to help you from 8:30am – 4:30pm. If they’re helping you outside that time frame, don’t ever let yourself forget that.
- “Those folks for bus tickets, movie tickets, concerts, and reasonably priced prostituations” (Tumkey Desk) “There for the best dam’ spiccy on a bun’ in the universe” (V1 California)
- Still, there are some things I wish someone had pointed out to me.
- Dangerman’s Top 10 Survival Tips for First Year:

1. Enjoy the company of that pretty girl in your first group while it lasts, she’ll have a boyfriend in 2 weeks, and it probably won’t be you. She’ll stay with that loser for 3 years at last! (i.e. the music in this twisted game of musical chairs cuts out quickly)
2. Waterloo is the Promised Land for all those who believe “The Greeks shall inherit the earth.” Animi, D&D, Star Trek, World of Warcraft – you name it, we got it. The least important thing in the universe that you like, and I guarantee there are a dozen other people in your year alone that will like it too. Get off your ass and make some friends.
3. Don’t even give yourself up! The sooner you go out to an Engsoc event, the sooner your year at university will turn down the sack. The student teams are also pretty awesome. Personally, I like writing for the Iron Warrior, it’s pretty lack ass.
4. Go to your lectures. If you’ve been out late being irresponsible, go pass out in whatever room your first class the next day is in. Trust me, it works.
5. Don’t date anyone from McMaster… just trust me here.
6. Learn the Greek alphabet. You’ll feel like a whole lot less of an idiot if you don’t have to ask your PHYS 115 professor, “What does that little squiggly thing mean?”
7. No interview? No problem! Check with par- ents, family friends, don’t rely too heavily on the co-op people for your first work term. They work hard, but they don’t work miracles.
8. Crappy resume? Go find someone smarter than you and take a look at his or her. I bided my resume/cover letter off a guy doing PhD studies at MIT. I get more interviews than Jesus. Also, resume critiques are usually pretty helpful.
9. Nothing else, remember to stop by POETS in CHP. This little hole-in-the-wall engineering hangout is the nexus of all good things in the universe.
10. If you’re worried about getting fat, stop wor- rying and just think of the Buddha with his girth and free clothing. Don’t ever underestimate this. A whole informed student can get for free trips to a week at a time.

On saving money:

- Volunteering for events can get you both free food and free clothes. Don’t pass up those opportunities.
- A well informed student can get for free trips to a week at a time.
- $1.50 surcharge is a frugal tip for the wise!
- DC and two in the SLC. Sure, the ATMs gratefully cash that much easier. There are machines in DWE, just because you CAN drink something, doesn’t mean you should.
- "Those folks for bus tickets, movie tickets, concerts, and reasonably priced prostituations” (Tumkey Desk) “There for the best dam’ spiccy on a bun’ in the universe” (V1 California)

On general survival skills:

- When you’re looking for help, don’t always look within your year, and don’t always look within your discipline.
- Find something to do other than school, or you WILL lose your mind.
- Your TA’s are getting paid to help you! Don’t ever look for help from them.
- Your WEET is an extra paid to help you from 8:30am – 4:30pm. If they’re helping you outside that time frame, don’t ever let yourself forget that.
- “Those folks for bus tickets, movie tickets, concerts, and reasonably priced prostituations” (Tumkey Desk) “There for the best dam’ spiccy on a bun’ in the universe” (V1 California)

The IRON WARRIOR RECOMMENDS

ROB GRAHAM
4N 4CHEMICAL

DANGERMAN
4A CHEMICAL

ROB GRAHAM
4N COMpuTER

SylWuA W1RIT mnemonic

Recreation
Beck Hall Community Centre

Food Service
South Campus Hall

Bank
CIBC

Beck Hall is one of the UW Place residences lo-
cated on most of the main campus and it houses a dec-ept-hour entertainment facility in the lobby. By after-hours, I simply mean "open until late," not "opened or pimously entertaining. The facility includes ping pong, bowling, board games, movie rentals, and much more!

Ah, V1 eat food, how I love it! Yes, not exactly. If you’re looking for free lunches, you have to find all the way back to you, you should investigate SCH. Right across the foyer from the bookstore is a stack of to a main dining area. The food is better, with fresh places on campus, with specialty this including roast beef, fish, and wraps.

A CBC bank account so that you can withdraw mountains for campus fee! The campus houses CIBC ATMs to make accessing your hard-earned cash that much easier. There are machines in DWE, DC and two in the SLC. Sure, the ATMs gratefully accept debit cards of all nationalities, but avoiding the S1.50 surcharge is a frugal tip for the wise!

Never cross blades with the Lean Machine, they don’t call him "Snickerdoodle" for nothing!

2. Thank Jason D in Gov for that little nugget of brilliance.

3. Obviously don’t copy… I mean formatting and whatnot.

4. Admittedly, Jesus probably has more important things to do with his time.
Come find out why RIM is where you want to be!

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You may already know our award-winning BlackBerry® smartphone. Now get to know us. During our week of events, you’ll discover how fun it can be to define your Co-op career.

You won’t want to miss these events:

Monday, September 22
> Talking Tech with RIM
   Federation Hall

Tuesday, September 23
> BBQ Fun Day
   Bert Matthews Hall (BMH) Green Space
   2:00 PM – 4:30 PM

Wednesday, September 24
> RIM Information Session
   Tatham Centre, Room 2218
   11:30 AM – 1:30 PM

Thursday, September 25
> Rock with RIM
   Federation Hall
   Doors open at 6:30 PM

Wednesday, September 24
> RIM Information Session
   Tatham Centre, Room 2218
   2:00 PM – 4:00 PM

Friday, September 26
> Frosty Friday
   Douglas Wright Engineering (DWE) Green Space
   1:00 PM – 3:00 PM

Space is limited, so register now at www.experienceRIM.com/uw