1st Year Orientation
2017-2018

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Welcome

- Welcome to ...

  *The Edward S. Rogers Sr. Department of Electrical & Computer Engineering*

- The purpose today is to
  - Introduce you to people in our department
  - Provide advice to help make your time here successful, rewarding and exciting

- Presentation slides are available online at
  [http://www.ece.utoronto.ca/undergraduates/announcements](http://www.ece.utoronto.ca/undergraduates/announcements)
Electrical and Computer Engineering (ECE)

- is a very broad and expanding field
- is responsible for much dramatic change in the modern world
  - Technologies: chip technology, micro/nano-manufacturing, the PC, the internet, the world-wide web, online commerce, social media, the smartphone, mobile technology, connected devices, biomedical devices, neural implants, e-health, the whole IT revolution
- and, of course ...
ECE

- ECE is also responsible for many recent global companies:
  - Facebook, Google, Twitter, Instagram, Snapchat, LinkedIn ...
- ECE will also participate in many more exciting things to come
  - IoT, Machine Learning, Autonomous Vehicles, Wearable Computing ...

- Engineering can change the world
- You are setting out on an exciting adventure!
Introductions
First Year Office

Services:
- Transition and Retention Programs
- Early Warning (mid-term performance feedback)
- Registration and Schedules
- Academic and Program Advising
- Counselling and Referrals

Contact:
- Leslie Grife, First Year Advisor
- Cori Hanson, Assistant Director, First Year Student Success & Transition
- Office Location: Galbraith (GB) building, Rm 170
- Email: firstyear@ecf.utoronto.ca
- Webpage: http://firstyear.engineering.utoronto.ca
ECE Undergraduate Office Staff

Leanne Dawkins
Program Manager & Counsellor

Jayne Leake
Administrative Coordinator & Counsellor

Karen Irving
Student Advisor & Undergraduate Information Services

Mary Miceli
Student Advisor & Undergraduate Information Services
ECE Department Leadership Team

Myself: Professor Farid Najm
Chair of ECE Department, room SF 1024

Professor Raviraj Adve
Associate Chair for Undergraduate Studies

Professor Frank Kschischang
Associate Chair for Graduate Studies

Professor Ali Sheikholeslami
Associate Chair for Research
Eight Useful Things to Know*

*To help you succeed at ECE/U of T
1. Manage Your Time Well

- Don’t get behind in your work, it builds up!

- Easier said than done:
  - Do important things first, Set priorities
  - Don’t get distracted!
    - Limit your time on social media
    - Snapchat, Instagram, Twitter, Facebook ... they can wait
2. Get a Good Study Group

- It helps to have a group to discuss your work with
  - It is perfectly OK to get help from peers while studying/learning
  - Practicing engineers always work together

- However, it’s NOT OK to copy someone else’s work!
  - There is a fine line between group study and copying/cheating
    - Study together to figure out the concepts and check your understanding
    - Work individually to do your homework, project, assignments, etc.
  - Be very careful
    - A first offense ends up on your record
    - A second offense will get you suspended
  - Note: the copy-ee is equally guilty under U of T policy

- We expect you to act as honest, responsible adults
3a. Don’t Get Too Hung up on Marks

- Yes, marks are important
  - you’ll be judged for jobs and scholarships, in part on marks

- However, your future success will also depend on:
  - Your understanding of the material
  - How you put all the pieces together
  - If you can get the job done
  - How well you work with others
  - Your communication skills

- A common interview question: describe your projects!
... on Marks, cont’d

- Engineering grades are likely lower than high school marks
  - why? Everyone here did well in high school

- Sometimes, tests will have very low marks
  - why? It can be hard to set a test at just the right level

- Even if a test looks really hard, NEVER GIVE UP!
  - everyone else is dealing with the same difficulty
  - if the marks come out too low, they will likely be adjusted in some manner at the end of the term, after all the marks are in
3b. Learning

- You’re really here to learn, and ... to learn **how to learn**
  - ECE and engineering will keep changing during your career
  - pick up **here** the skills required to continue learning in future

- **There is no such thing as a stupid question**
  - It is far worse not to ask a question than to risk looking silly

- **Everyone around you may be just as “lost” as you are**
  - Asking questions is an essential part of learning
4. We’re Here To Help

- At some point, you may run into trouble
  - personal/family; academic; test anxiety

- The ECE Undergraduate office is in SF-B600
  - don’t hesitate to drop by to ask questions or ask for help
  - we are happy to help

- Counselling available
  - [http:www.studentlife.utoronto.ca/hwc/workshops](http:www.studentlife.utoronto.ca/hwc/workshops)
  - learning skills
  - exam anxiety workshops, and much more!

- Central Web site: [studentlife.utoronto.ca](http://studentlife.utoronto.ca)
5. Get Exercise – Stay Healthy

- You’re way better off, life-long, if:
  - you take an hour to get some daily exercise
  - pick some activity that you like
  - do it regularly!

- If you get frustrated, go work out
  - at Hart House
  - at the Athletic Centre
  - at your local park/centre/gym

- Athletic Centre runs many free programs
Many Sports & Activities

- **Badminton**, Baseball, Basketball, Cheerleading, Curling, European Handball

- **Fencing**, Field Hockey & Indoor Hockey, Football, Golf, Gymnastics, Hockey

- **Indoor Cricket**, Lacrosse, Mountain Biking, Nordic Skiing, Rowing, Running

- **Skating**, Soccer, Squash, Table Tennis, Tennis, Track and Field

- **Triathlon**, Ultimate Frisbee, Volleyball, Wrestling
Many other Activities at UofT!

- This is a big place!
- There are many things going on
  - Music, drama, dance, sports, clubs of all descriptions

- Go to:

ulife.utoronto.ca
6. Read Your Email from Us!!

- Important email from us goes to your UTORmail account (@mail.utoronto.ca)
  - You will get that email account information when you activate your TCard at the TCard office in Robarts Library
  - This is the only address where we will send you email

- You MUST read your email sent to this account
7. Proper Use of Computers

- The computers and networks that you will use here are U of T property

- They come with certain rules, including:
  - You can’t use them to intentionally harass people.
  - You can’t use them to steal stuff.
    - downloading music/video/apps that you don’t have a right to is stealing
    - in future, you may well make a living selling things that can be downloaded – software, circuits etc.
8. *Never Trust a Computer*

- They can break at any time, deleting your project report, assignment, lab, etc.

**BACK UP YOUR COMPUTER!**

- **On USB stick/Thumb Drive/Memory Keys, DVD, CD**
  - a. USB drives are cheap!

- **On ECF Computer Systems**
  - a. which are backed up themselves

- **On some cloud backup facility – e.g.,** [dropbox.com](http://dropbox.com)
Opportunities & Student Clubs

- ILead
- IEEE
- ECE Club
- ECE Ambassadors’ Program
Institute for Leadership Education in Engineering

ILead
Wallberg Building, Suite 204
Mike Klassen
Institute of Electrical and Electronics Engineers at U of T
Student Branch

IEEE UofT
Danny Zhang
http://ieee.utoronto.ca/
**Educate yourself as an Engineer**

- Interview and Resume Workshops
- Hands-on Hardware Workshops
- Machine Learning and Coding Workshops

**Explore Engineering**

- Explore with Industry Tours
- Explore Research with Grad Talks and Lab Tours
- Explore in HelloCon! Software Conference

**Experience Engineering**

- Annual Hardware Hackathon
- Power and Energy Case Competition
- IEEE Design Projects
IEEE UofT
Build, Grow and Explore!

• Educate yourself at Workshops.
• Explore areas of Engineering you are interested in.
• Experience Engineering in competitions.

To learn more about us,
http://ieee.toronto.edu/

Like our Facebook page,
https://facebook.com/ieeeuuoft/
Electrical and Computer Engineering Club

ECE Club
Sanford Fleming B640
Fay Huang
We are here to bring you fun!

Book Smoker

Dinner Dance

Event Calendar

And many more!!!
We are here to help you!

Anti-Calendar

ece.skule.ca/anti-calendar/

Mentorship

ecementorship@skule.ca

Course Feedback System

speakup.skule.ca

Locker Rental
How to find us?

Our Office: SF B640

Our Facebook: ECE Club

Our Email: ece@skule.ca

Our Website: ece.skule.ca  (under renovation!)

Mentorship Email: ecementorship@skule.ca
ECC

F. Najm
The Engineering Career Centre

- Services for students looking for jobs
- Formalized development process on how to get a job
- Supports interviews for
  - Summer co-op
  - PEY (Professional Experience Year)
  - Full-time jobs

www.ecc.utoronto.ca

- Presentation slides are available online at:
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ECE Ambassadors &
ECE CONNECT

Jessica MacInnis
Senior Communications Officer
jessica.macinnis@utoronto.ca
Volunteer with ECE!

BECOME AN ECE AMBASSADOR

Are you passionate about ECE, Engineering and U of T?

Share that enthusiasm with prospective and incoming students while gaining professional experience, networking opportunities and training.

Apply: uoft.me/ece-ambassadors
CONNECT

An online platform to enrich your professional network and connect you with the Skule™ community.

SIGN UP TODAY
UOFTECECONNECT.CA
Wrap-up

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Finally

- Four (or Five, with PEY) years from now:
  - You can look forward to graduation and Convocation
  - A delightful ceremony to celebrate your hard work and learning
Have a Great First Year!

http://www.ece.utoronto.ca/undergraduates/announcements