In This Edition:

Upcoming Events
Page 2

Halloween 2016
Horroroscope
Page 3

Snapchat (Engineering Edition)
Page 4, 5

Articles & Reports
Page 6, 7

Presentation Bingo
Page 11

Shenanigans
Page 12

AND MUCH MORE!

Midterm season got me like

EEE SEE NEXT PAGE FOR INFO!

Want to keep in touch with Viktor Viking? Follow us on Social Media!

facebook.com/groups/uvicess/
Upcoming Events

Leadership Through Diversity (LTD)

Leadership Through Diversity (LTD) is excited to announce that they will be hosting an ALL-LEVELS KICKBOXING CLASS as a Women in Engineering mixer! This is a great opportunity to work out, relieve stress, make new friends, and learn the basics of self-defense. The class is open to all women in engineering, requires no equipment, and is totally beginner-friendly. Although the exact date is TBD, the event will be taking place on a Friday at 5:30pm within the next couple of weeks. Please check the LTD Facebook page for more event details when they become available. Hope to see all of you there!

LTD Facebook page
https://www.facebook.com/leadershipthroughdiversity/

ESS Billiards Night

Do you have fancy clothes you never get to wear? Did you buy a suit to impress those co-op recruiters only to have nothing but phone interviews? Do you look dashing in a dress or tie and want to show it off? Then this is the event for you! This Friday, the ESS will be hosting a Billiards Night at Peacock Billiards. Come dressed in fancy clothes, show off your mad skills and share some laughs and good times with your engineering friends! Tickets are available at the ESS Office (ELW 206). For more information, visit
https://www.facebook.com/groups/uvicess/

EEE (19+)

The Engineering Students’ Society (ESS) is teaming up with the Biology Undergraduate Society (BUGS) to bring you another episode of the EEE! Tickets are on sale now and can be obtained at the ESS Office (ELW 206) or from an ESS Executive. Tickets are limited, get yours while you can!
Halloween 2016 Horrorscope

Capricorn (January)
Neptune’s transverse with Jupiter will make you especially weary of the effort required to receive such a number of candies you’re not even interested in. Maybe just team up with Gemini like you did last year.

Aquarius (February)
Remember to go easy on the liquor chocolates this time...

Pisces (March)
You’ll feel compelled to scare your fellow students by spoofing your professor and sending an email to your classmates to remind them about the midterm on November 1st.

Aries (April)
The kind of person who gives out apples on Halloween. You know the saying, right? Something about not giving out apples if you live in a glass house?

Taurus (May)
Your costume was a little too daring. Maybe stay at home and hang out with Libra.

Gemini (June)
Someone stole your candy last time. It sucked. Stay home.

Cancer (July)
With the noblest of intentions, you bought hundreds of full-size chocolate bars. Unfortunately, you will probably lock the door, turn off the lights, watch The Nightmare on 34th Street, and eat yourself into a coma.

Leo (August)
In an effort to deny your inner child, you attend a grownup party instead of going trick-or-treating. Probably the right decision, to be honest.

Virgo (September)
You spent your childhood meticulously compiling data on the best houses to trick-or-treat at. Unfortunately, the economy will ruin Halloween this year and it’s all useless.

Libra (October)
For you, Halloween is a state of mind – which makes it easier to justify instagramming your costume and staying home because it’s cold out – plus it’s on a Monday this year.

Scorpio (November)
That guy with the sexy minion costume is definitely worth it.

Sagittarius (December)
Good things will come to you if you trade for Reese’s peanut butter cups.
Snapchat (Engineering Edition)

Smile! #wisdomteethremoval

ESS Gun rack

That makes it healthy right?

Just watch me fill this Rowe

If I Had A Nickel For Every Time I've Cried In The Back Of An Uber, I Would Have Another Pair Of Yeezy's.

Relationships Are Messed Up But Your Face Isn’t.
Engineering Is...

Engineering is... Giving up on studying for heat transfer midterm & instead prepping 3 days worth of food & clothes.

Engineering is a forest of spring constants.

Introduction and Course Overview
- Major themes:
  - Electrical and computer engineering design
  - Professional development
  - Preparing for ELEC 499
- Engineering design introduction
- The design process
- Requirements analysis
- From week 6
- Team presentations on key ABET professional development curriculum attributes

Engineering is having this on your 5th week of class.

Getting home from school on a different day than you left...

"Jaden, Where Can We Expect You To Be In 5 Years?"
"Gone."
Hello everyone! Your friendly VP External is here, reporting in after a great conference called the Western Engineering Student Societies Team’s (WESST’s) Annual General Meeting Retreat (AGMR). The conference was over two full days at a camp near Gimli, MB over the Thanksgiving Day long weekend.

During the conference we networked with other schools, attended sessions on many different facets of running a good student society (the finance session and the events roundtable ones were particularly useful!), and the head delegates voted on motions to help run WESST more efficiently. Another big thing that happens at AGMR is the WESST elections. WESST has three executives; president, VP Finance, and VP Communications and each of them are responsible for different things.

I myself ran for, and was elected as, WESST president so starting in the spring it will be my job to ensure that WESST conferences are as valuable as they can be, and that schools in western Canada have their voices heard at the Canadian Federation of Engineering Students (CFES) level. I’m super excited for this, so if you have any questions on what WESST, or CFES, does and how each student at UVic benefits from these groups, please let me know!

Best regards,

Eric Power

VP External | Stream A

Photo: Darren & Tyson (UBCO) playing blindfolded musical chairs at the WESST Retreat Olympics. Shout-out to USASK for a great game!
Ayn Rand: The Curious Case of Jaden Smith’s Genius

Today we will be examining Ayn Rand’s philosophy of objectivism through an epistemological lens. The discussion of epistemology is as old as time and many philosophers disagree with Rand, but most exciting for us is the emergence of what might be the unlikeliest epistemological heavyweight ever: the 140-character superstar Jaden Smith.

Epistemology is the study of knowledge, and it is primarily split into two tasks which we use to investigate what distinguishes justified belief from opinion: determining the nature of knowledge, and exploring the limits of what our reason and senses can acquire in terms of knowledge. This is quite the rabbit hole, but the version most useful to my current purposes is that nerds for thousands of years have wrestled with the topic from Socrates’ “I know that I know nothing”, René Descartes’ “I think, therefore I am”, and Immanuel Kant’s Critique of Pure Reason.

Philosophy, by its Greek roots, is the love of wisdom, so of course the first thing Socrates does is get all meta about it to impress Pythia, the Oracle of Delphi (which totally worked, by the way). Nevertheless, “I know that I know nothing” and its legacy as part of the epistemological discussion is important as a benchmark for Descartes.

René Descartes, the father of western philosophy who lay the foundation of rationalism, invented the Cartesian coordinate system, and theorized sliced bread (unconfirmed, but big if true). Descartes knew, as we do, that many scientific truths are linked, so he sought to find a fundamental truth from which all others could be found – a journey motivated by the rationalist idea that the universe has an intrinsic logical structure, the truths of which can be found through logic. The exercise was to prove an epistemological position after stripping away all knowledge which could conceivably be held in doubt, and the result was “I think, therefore I am”. Obviously Descartes wouldn’t impress Pythia as much with this when compared to Socrates’ “I’m so deep” pseudoparadox bullshit, but that’s not important right now.

Immanuel Kant is the last 12 incher we’ll talk about today. Kant was important because of his work trying to reconcile empiricists (does the self even exist? Are we just a bunch of sense data?) and rationalists (the self exists, and it’s going to figure out the entire universe forever). Kant says that pure reason is flawed when it goes beyond its limits and claims to know things which are beyond the realm of possible experience – god, free will, and the immortality of the human soul were of special importance here.

Enter Ayn Rand, and she’s coming out swinging with objectivism. Objectivity is the idea that a proposition can generally be considered to be objectively true when its truth conditions are met without biases caused by feelings, ideas, or opinions of a sentient subject. Objectivism is the idea human knowledge and values are objective. How does Ayn Rand sidestep thousands of years of epistemological discourse? What is Rand’s solution to the problem of whether or not it is possible to derive an objective reality? With this one whacky trick (philosophers hate her): Ayn Rand says that existence exists, and therefore, through reason, everything she says afterwards is objectively true.
It is at this point that Jaden Smith comes to the rescue. Standing atop the shoulders of dozens of epistemological giants, Jaden brings us back to our philosophical roots and dunks all over Rand with

Jaden Smith
@officialjaden

How Can Mirrors Be Real If Our Eyes Aren't Real

Lab Report Competition

We're announcing a chance to do something productive with your marked lab reports -- win a shot glass! There is a list of words below, and also the points each word is worth when you include it in your lab report. Each word can only be counted for points once, and the lab report must be handed in and graded -- we'll be looking for the red ink your instructors leave all over your reports. The lucky individual with the highest score will win a shot glass. Submit your marked lab report to an executive in the ESS Office @ ELW 206 so that he/she can place it on the bulletin board (We will give it back to you after the competition if you so desire). We will announce the winner in November, and will post a high score list!

<table>
<thead>
<tr>
<th>Word</th>
<th>Value</th>
<th>Word</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batman</td>
<td>1</td>
<td>Nicholas Cage</td>
<td>2</td>
</tr>
<tr>
<td>Mariocart</td>
<td>1</td>
<td>Bob Ross</td>
<td>2</td>
</tr>
<tr>
<td>eavesdropping</td>
<td>1</td>
<td>running with scissors</td>
<td>2</td>
</tr>
<tr>
<td>extremely sticky</td>
<td>1</td>
<td>tree huggers</td>
<td>2</td>
</tr>
<tr>
<td>baby blue</td>
<td>1</td>
<td>Donald Trump</td>
<td>2</td>
</tr>
<tr>
<td>supremacy</td>
<td>1</td>
<td>vibrator</td>
<td>3</td>
</tr>
<tr>
<td>The Martlet</td>
<td>1</td>
<td>beer pong</td>
<td>3</td>
</tr>
<tr>
<td>girth</td>
<td>1</td>
<td>defenestration</td>
<td>3</td>
</tr>
<tr>
<td>Fishwrap</td>
<td>1</td>
<td>Harambe</td>
<td>3</td>
</tr>
<tr>
<td>slurp</td>
<td>2</td>
<td>Wet T-shirt</td>
<td>3</td>
</tr>
<tr>
<td>dirty oil money</td>
<td>2</td>
<td>#YOLO</td>
<td>4</td>
</tr>
<tr>
<td>McDonald’s</td>
<td>2</td>
<td>greasy ELW pizza</td>
<td>4</td>
</tr>
<tr>
<td>Minicooper</td>
<td>2</td>
<td>My Little Pony</td>
<td>4</td>
</tr>
</tbody>
</table>
"Quotes from around engineering"

“Is ‘happy’ one syllable?” - Martin

“I’m smarter than some goldfish.” - Ram

“It wasn’t Brock, it was his evil twin brother, Brack!” - Viktor Viking

“Well I’m a bloody idiot, there’s no labs this week!” - Marlin after returning from an empty laboratory during the week of Thanksgiving

“I’m confused, wait! No I’m not! Uhhhhh.” - Cameron
So I’m sure I don’t have to tell you this, but y’all have some pretty cute pets. I spent a lot of time lookin at ur cute cuddly wuddlies, and, while it was a very difficult decision, one entry really stood out.

**WINNER**

The winner for this month of October is Skeena, because this is not a democracy.

**Runners Up**

Because I am not literally Satan, here are all the amazing runners up for this month!
Welcome to Presentation Bingo, where you select one word below and score a point when you use/say it during your presentation (doubles do not count). Keep track of the words you say during your presentation and add up the points at the end. Prizes include ESS Swag!

For everyone, but especially those in ELEC/CENG/SENG 399

<table>
<thead>
<tr>
<th>Word</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duck</td>
<td>1 pt</td>
</tr>
<tr>
<td>Trick or treat</td>
<td>2 pt</td>
</tr>
<tr>
<td>Promote synergy</td>
<td>1 pt</td>
</tr>
<tr>
<td>Electrolytes</td>
<td>2 pt</td>
</tr>
<tr>
<td>Boomerang</td>
<td>1 pt</td>
</tr>
<tr>
<td>Fergalicious</td>
<td>4 pt</td>
</tr>
<tr>
<td>Computer CAD Design</td>
<td>1 pt</td>
</tr>
<tr>
<td>Viktor Viking</td>
<td>2 pt</td>
</tr>
<tr>
<td>Engorged</td>
<td>2 pt</td>
</tr>
<tr>
<td>Tentacle</td>
<td>1 pt</td>
</tr>
<tr>
<td>Spooky</td>
<td>1 pt</td>
</tr>
<tr>
<td>MENSA</td>
<td>2 pt</td>
</tr>
<tr>
<td>Harambe</td>
<td>3 pt</td>
</tr>
<tr>
<td>Nibbles and Bytes operating hours</td>
<td>2 pt</td>
</tr>
<tr>
<td>Hangry</td>
<td>2 pt</td>
</tr>
<tr>
<td>Engineering Evening Excursion</td>
<td>1 pt</td>
</tr>
<tr>
<td>Hella $w@g</td>
<td>4 pt</td>
</tr>
</tbody>
</table>

A side note, this edition of school-work bingo will have word multipliers. If you manage to string many of the words together, their values multiply, sort of like the gains of a multi-stage amplifier.

\[
\text{Fourier Transform} \quad f(x,y) \quad \rightarrow \quad F(U,V)
\]

\[
\text{Four Year Transform} \quad \begin{array}{c}
\text{You} \\
O(n^2)
\end{array} \quad \text{vs.} \quad \begin{array}{c}
The guy she tells you not to worry about \\
O(n \times \log n)
\end{array}
\]
Shenanigans Fam

This is an aerial view of San Francisco from 7,200 feet.

This is a times new roman view of San Francisco from 7,200 feet.

Hey Engineers, send us your Snaps at ‘fishwrap’
You won’t regret it!

Thanks to our Sponsors!

Contributors
David Alaga
Christina Saimoto
Ram Wierzbicki
ESS Execs

WHAT ARE YOU WORKING ON?

TRYING TO FIX THE PROBLEMS I CREATED WHEN I TRIED TO FIX THE PROBLEMS I CREATED WHEN I TRIED TO FIX THE PROBLEMS I CREATED WHEN...

IT SAID PUT IT IN THE OVEN

AT 120 DEGREES

NOT THE BEES!
BEESEWAX LIP BALM
with Vitamin E & Jojoba Glycerinated

FISHWRAP | October 20, 2016
Page 12