

## Human Computer Communications Fall 2016 – CS428-001/CS828-001

**Lectures:** CL 312, TR, 08:30-09:45  
September 8 – December 4, inclusive

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**Final Exam:** December 13, 09:00-12:00  
**Web Site:** <https://urcourses.uregina.ca/course/view.php?id=2084> (URcourses)  
<http://www2.cs.uregina.ca/~hepting/teach/cs428+828/201630/>

### ***Promises:***

“In short, it seems worthwhile to avoid argument with (other) enthusiasts for artificial intelligence by conceding dominance in the distant future of cerebration to machines alone. There will nevertheless be a fairly long interim during which the main intellectual advances will be made by men and computers working together in intimate association. A multidisciplinary study group, examining future research and development problems of the Air Force, estimated that it would be 1980 before developments in artificial intelligence make it possible for machines alone to do much thinking or problem solving of military significance. That would leave, say, five years to develop [hu]man-computer symbiosis and 15 years to use it. The 15 may be 10 or 500, but those years should be intellectually the most creative and exciting in the history of mankind.”

-- J. C. R. Licklider (head of DARPA), 1960

We are now living in those *most creative and exciting years in the history of mankind* and this class will help you to engage in them fully.

You will come to know, through doing, that design is hard (yet worthwhile!): you need to start somewhere, to jump in and get your hands dirty, to begin without judgment and respond with reflection. You will glimpse what is exciting, empowering, and important about interaction design. You will gain sensitivity to the impacts of interaction design on real people. You will see the necessity of a multidisciplinary perspective. You will think critically, creatively, and computationally about designs and design problems using the foundational concepts of this discipline.

## ***Ways to Fulfill the Promises:***

### **1. Preparing:**

- Reading the textbook: *Interaction Design: Beyond Human-Computer Interaction* by Jenny Preece, Yvonne Rogers, and Helen Sharp, Wiley, 4<sup>th</sup> Edition, 2015
- Discovering and exploring online resources (that include may include):
  - <http://www.id-book.com>
  - <http://interactions.acm.org/>
  - <http://www.cooper.com/journal/>
  - <http://www.amanda.com/ama-blog/>
  - <http://designthinking.ideo.com/>
  - <http://patterns.ideo.com/>
  - <http://www.nngroup.com/articles/>
  - <http://www.jnd.org/dn.pubs.html>
  - <http://interaction-design.org/>
  - <http://www.ted.com/talks>
- Reflecting on what you've read

### **2. Participating:**

- Attending and being involved in class (I won't take attendance, but please ensure that I know who you are, for positive reasons)
- Taking ownership of your learning in the class by helping to design rubrics for assignments and contributing questions for exams
- Commenting on the journal entries of others

### **3. Writing (as part of a blog):**

- Critiquing an interface design
- Exploring a theme raised in a class discussion
- Maintaining a design journal over the semester

### **4. Designing:**

- Practicing what we discuss in class by *doing* a project, split into parts: establishing requirements, designing alternatives, prototyping, and evaluating

## ***Understanding the Nature and Progress of Your Learning and Thinking:***

Evaluation of designs may be formative and summative. The same is true about evaluations of your learning and thinking in this class. The contents of your design journals (including reflections on readings), the blog posts you write, and the preliminary stages of your projects will all present opportunities for you to receive qualitative feedback and iteratively improve your work. The midterm exam is also a kind of formative evaluation, even though you won't have a chance to resubmit it after receiving comments.

At the end of the semester, I will ask you to reflect upon the nature and progress of your own learning and thinking and outline your areas of strength and weakness when it comes to this material.

The final exam will provide the last summative evaluation of your learning and thinking in the class. You **must** pass the final to pass the class. If you don't pass the final exam, you will receive a grade of 40 for the class. I do this because in a semester that involves collaborative work, the final exam gives me a chance to see what you have learned over the semester. To ensure that the final exam is a fair assessment of your progress towards the learning objectives of the class, I ask your help in designing it.

### **Evaluation:**

Individual assignments:	15%
Practice:	15%
Project:	30%
Midterm exam:	10%
Final exam:	25%
Participation:	5%
Instructor's discretion:	+/- 5%
Research credit:	1-2% bonus

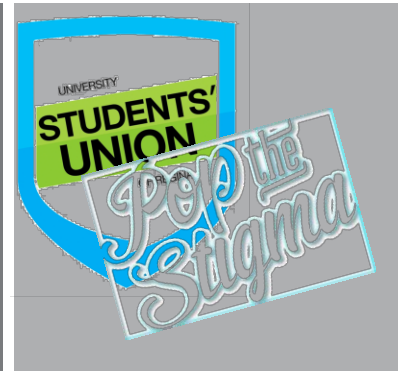
### **Important Dates:**

- 20 September 2016: add/drop date
- 04 October 2016: 50% tuition refund date
- 15 November 2016: last day to withdraw

The Student Success Office will be contacted if any of your formative evaluations, discussed above, are poor.

There is no need to plagiarize: make sure to acknowledge the source of all material that is not your own. Individual assignments and exams must be done individually, and **all** instances cheating will be subject to disciplinary action.

# University of Regina Counselling Services



## Feeling Stressed? Always worried?

Some stress is normal when you're going to university but **1 in 5 students** will suffer from enough distress that they **would benefit from counselling.**

### What can I do?

The U of R offers several counselling services free of charge for students at the U of R. These sessions are confidential and easy to access for students – simply go to the second floor of Riddell, Room 251 to make an appointment.

### When should you go?

Knowing when to schedule an appointment can be tough. Some common issues you might need help with include test anxiety, if you've experienced a trauma like losing a family member or a close friend, or if you've recently ended a relationship.

If the feelings you're experiencing are more intense and severe counselling services can also provide urgent service within 3 days and referrals as needed.

### What options are available for me?

*Personal Counselling* – This is a great option if you'd like one on one attention for things like anxiety and panic, relationship conflict, depression, grief and loss, academic issues, body image and substance abuse. Up to 5 sessions are free per semester. Try it – talking about your problems can be more helpful than you might think!

*Group Counselling* – Simply put, you're not alone. Many students are experiencing the same things as you. The U of R offers a wide variety of group counselling opportunities that can help teach many skills for managing your mental health, including: Meditation and relaxation, Healthy relationships, Stress Management and Self-Care.

### But I can't afford counselling...

Seeking counselling doesn't have to be cost prohibitive. Many students can benefit from the 5 free sessions offered by the University as a benefit of being a student.

If you need more sessions make sure you contact URSU and visit [www.iHaveAPlan.ca](http://www.iHaveAPlan.ca). Many expenses that are related to mental health, including going to a psychologist, are partially covered by your Student Health and Dental Plan!

### What else can I do?

Self-care - taking better care of yourself, can help you out. Eating better, working out, smoking and drinking less and balancing school with fun can all help with mental health!

### Have a problem but don't know how to fix it?

#### URSU's Student Advocate can help you free of charge!

- Academic Appeals
- Disciplinary Appeals
- Student Loan Appeals
- E-mail [advocate@ursu.ca](mailto:advocate@ursu.ca) to schedule an appointment today!
- Emergency Bursaries
- Notary Public
- Rentalsman Appeals

