

Sample "Design" program offerings.

DAY ONE

9:00 a.m. - 1:30 p.m.

- Design Challenge: Marble in the Cup
Paul McKone, Knowledge Integration, Faculty of Environment
- Lunch

1:30 p.m. - 9:00 p.m.

- Skills Session: Design Process
Ed Jernigan, Knowledge Integration, Faculty of Environment
- Design Charrette: Yorklands Green Hub
Sarah Brown, PhD Student and Teaching Assistant, School of Planning, Faculty of Environment
- Dinner
- Skills Session: Guerilla Onion Peeling, The Art of Conversation
Rae Crossman, Knowledge Integration, Faculty of Environment

DAY TWO

9:00 a.m. - 1:30 p.m.

- The Internet: A Case of Elegant (Mis?) Design
Ian McKillop, Cheriton School of Computer Science, Faculty of Mathematics, and School of Public Health and Health Systems, Faculty of Applied Health Sciences
- Small Group Sessions (students attend one session)
 - Affordable by Design: Why does it cost so much to live downtown, and what can we do about it?
Markus Moos and Graduate Students, School of Planning, Faculty of Environment
 - The Synthesis of Acetaminophen
Laura Ingram, Chemistry, Faculty of Science
 - Design of Classical and Quantum Cryptography Systems
Chris Pugh, PhD student, Institute for Quantum Computing, University of Waterloo
 - Nature: The Master Designer
Anne Grant, Bev Raimbault, and Students, Ecology Lab, Faculty of Environment
- Lunch

1:30 p.m. - 9:00 p.m.

- Knowledge Integration Museum Exhibits
Rob Gorbet and Students, Knowledge Integration, Faculty of Environment
- Campus Exploration
- Student Panel *University of Waterloo Students from across the Faculties*
- Dinner
- Design Challenge: Mini Golf
Kim Boucher, Knowledge Integration, Faculty of Environment

DAY THREE

9:00 a.m. - 1:30 p.m.

- Design Challenge: Design a Backpack
Knowledge Integration Students, Faculty of Environment
- Millions of Years of R & D: Animal Designs Honed by Evolution
Heidi Engelhardt, Biology, Faculty of Science
- Lunch

1:30 p.m. - 9:00 p.m.

- Recreation
- How Does Your Brain Influence Your Behaviour?
Myra Fernandes, Psychology, Faculty of Arts
- Student Panel *University of Waterloo Students from across the Faculties*
- Dinner
- Design Challenge: The Commons
Rae Crossman, Knowledge Integration, Faculty of Environment

DAY FOUR

9:00 a.m. - 1:30 p.m.

- What is Architecture For?
Colin Ellard, Psychology, Faculty of Arts
- Small Group Sessions (students attend one session)
 - Design of Telescopes and Instruments
Mike Fich, Physics and Astronomy, Faculty of Science
 - Designing Virtual Brains
Terry Stewart, Centre for Theoretical Neuroscience, University of Waterloo

- Designing the Way Forward after the Truth and Reconciliation Report
Luane Lentz, Waterloo Aboriginal Education Centre, St. Paul's University College, University of Waterloo
- Groups, Logic and Squiggles
James A. Gardner, University of Waterloo Math Alumnus, Science Fiction Author
- Lunch

1:30 p.m. - 9:00 p.m.

- Engineering Student Design Centre Tour
Peter Teertstra, Mechanical and Mechatronics Engineering, Faculty of Engineering
- Prototype Testing with Mechanical and Mechatronics Engineering Students
Andrew Trivett and Students, Mechanical and Mechatronics Engineering, Faculty of Engineering
- Student Panel *University of Waterloo Students from across the Faculties*
- Dinner
- Pre-theatre Talk and Upstart Drama Festival
Jennifer Roberts-Smith, Jenn Adesso, and Clare Flood, Drama and Speech Communication, Faculty of Arts

DAY FIVE

9:00 a.m. - 1:30 p.m.

- Skills Session: Professional by Design, Communicating with Your Professors
Chao Yang and Mandy Penney, The University of Waterloo Writing Centre
- Skills Session: Creative Thinking
Student Success Office and the Student Leadership Program
- Lunch

1:30 p.m. – 7:00 p.m.

- Knowledge Integration Seminar: Education by Design
Ed Jernigan, Department of Knowledge Integration, Faculty of Environment
- Reflections and Grand Synthesis
- Closing Ceremony
- Farewell Dinner