

CIS 2520 - Data Structures

Greetings

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Notes written by Yan Yan

School of Computer Science
University of Guelph

Welcome to the Course



About Myself



- Research interests
 - Bioinformatics, Machine learning, Statistical association analysis, Big data analytics.
- Previous Work
 - Thompson Rivers University, Assistant Professor
 - Postdoc at niversity of Western Ontario and University of Saskatchewan (UofS)
- Ph.D, UoS

About Myself

Current Research Projects

- Predictive models for genotype and phenotype (machine learning, deep learning)
- AI assisted digital agriculture
- Feature selection and classifications (clustering) on multi-omics data

Look for student research assistants and collaborative research projects to work together!

Some Funding Support

- URA, ISURAs
- NSERC USRA
- Faculty member's research grant

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About the Course

- Course Outline
- 4 individual assignments
- Midterm (in class), Final exam
- Weekly labs, office hours

Communication and Support

- 9 TAs
- Office Hours (starts from Sept. 16)
 - instructor: Mon 2:30-3:30pm, in-person, Reynolds 3302
 - TAs: Mon/Wed 3:30-4:30pm, Tue 5:30-6:30pm, Thur/Fri 2:30-3:30pm, in-person
 - In-depth discussion of course content, assignments, etc..
 - Mentoring, consultation, and other supports as needed

Communication and Support

- CourseLink Discussion Forum – Preferred Channel
 - **Main** communication and support channel online
 - Actively managed by the instructors and TAs
 - Aim to respond within 1 business days
- Email to the course email
 - For issues not suitable for the discussion forum
 - Aim to respond within 2 business days

Academic integrity

- Academic Integrity info from the [library](#)
- Academic Misconduct detailed in the [Undergraduate Academic Calendar](#)
- [University's Academic Integrity and Plagiarism Tutorial](#)
- Academic Integrity Video F24 (CourseLink)
- Shared responsibility
 - Students - educate themselves and adhere
 - Faculty - help with understanding, prevent and detect academic misconduct

Offences

- Misappropriation of Other's Work
- Misrepresentation and Fraud
- Improper Access and Obstruction
- Aiding and Abetting

Course Rules

- Respect others
- Acknowledge our diverse culture and backgrounds, skill sets, different styles of learning, etc.
- Class discussion rules e.g. behave professionally in classroom and online, no discrimination
- Adhere academic integrity
- Feedback is always welcome
- ...