Welcome to SENG 321 Requirements Engineering
Let's make this an engaging course

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www.engr.uvic.ca/~seng321/
courses1.csc.uvic.ca/courses/201/spring/seng/321

Announcements

- C4
  - Due Sat, April 2

- Teaching evaluations
  - Open until April 4

Turn in your C4 evaluation form at the end of class

Final Exam
- Sat, April 16
- 19:00-22:00
- ECS 125

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SENG 321 Résumé Entries

- Requirements engineering
  - Requirements process
    - Elicitation, Analysis, Specification, Validation
  - Methods, techniques, and tools
    - Use case modeling techniques
    - Domain analysis and modeling
    - Review techniques
      - Walkthroughs
      - (Formal) inspection and validation
      - Inspection meetings
      - Inspection checklists
    - CRUD (Create, Read, Update, Delete) Matrix

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SENG 321 Résumé Entries

- Requirements engineering
  - Methods, techniques, and tools
    - Working with UML
      - UML 2.5 (14 diagrams)
      - Structural and behavioural diagrams
      - Use case, class, interaction, sequence, state, collaboration, activity diagrams (tutorial)
      - Use of UML tools (tutorial)

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SENG 321 Résumé Entries

- Software life cycle models
  - Waterfall and Spiral models
- Requirements analyst
  - Interface between customers and developers
  - Requirements specification documentation skills
  - IEEE Std 830-1998 Requirements Standard and Specification Template
  - Documentation skills
    - Visio (tutorial)
    - Project (tutorial)
- Project Cost and Effort Estimation Techniques
  - COCOMO model (Barry Boehm)

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SENG 321 Résumé Entries

- Codes of Ethics
  - APEGBC
  - ACM Software Engineering
- Communication and management skills
  - Presentation skills
  - Teamwork
  - Organization skills
  - Leadership skills
  - Management skills
  - Project management skills
  - Time management skills

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Final Exam SENG 321
Format and Materials

- Format
  - 3 hours
  - Closed books, closed notes, no gadgets
  - The same format as the midterm
  - Mostly essay style questions
- Slides
  - 600+ slides posted on the course website
- Midterm
  - Similar format and questions
  - A couple of questions from midterm (e.g., major phases)

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Final Review

- Use case modeling techniques
  - Use case scenarios
  - Process for identifying use cases
  - Use case template
  - Use case diagrams
  - Context diagrams
  - Use case mistakes and limitations
- Review techniques
  - Walkthroughs
  - (Formal) inspection and validation
  - Inspection meetings
  - Inspection checklists
- CRUD (Create, Read, Update, Delete) Matrix
  - Develop a CRUD matrix for a well-known scenario
    - For example, bank checking account

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Final Review

- Codes of Ethics
  - APEGBC
  - ACM Software Engineering
- UML overview
  - Structural and behavioural diagrams
  - History of UML
  - What do you know about UML and its history?
  - Explain the uses of the 14 diagrams in UML 2.0
- Project cost and effort estimation techniques
  - Techniques
  - Parameters
  - Algorithmic models
  - Comparison of techniques
  - COCOMO model (Barry Boehm)
  - Contrast different project cost and effort estimation techniques

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You have arrived!

Congratulations!!

Deliverable C4	SENG 321	Fri, Apr 1	C4 feedback on S4 (in MAC D288)	5% of project
Last Day of Classes	Calendar	Fri, Apr 1		
Final Exam		Sat, Apr 16	19:00-22:00 ECS 125	35%

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