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Vanier College
Faculty of Science and Technology
Computer Science Department

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Course Title:	System Development	**Semester**:	H-21
Course Number:	420-436-VA, all sections	**Teacher:**	Julian Lebensold, D-226
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System Development Course Schedule (subject to revision)

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Quizzes are scheduled for the first 10 to 15 minutes at the start of the class/lab period on the scheduled date. Detailed instructions will be provided by MIO to each student.

Personal journals, team logbooks, **assignments**, **deliverables** and **LIA report** are due by email by 6 p.m. on the scheduled date.

Wk	Date	Lecture / Discussion topic	Evaluation
1	Jan 18	Learning environment, Course outline, IPESA, Student rights and responsibilities, Schedule, Projects, Software for the course: • Project planning s/w (MS Project, ProjetLibre) • Diagramming s/w (Visio ...) • Trello, Miro, Git (mention) • Ruby on Rails, MS Office	**Quiz #0 – Pre-requisites** *Personal information form,* *Skills inventory form* *Find a potential client* *Start personal journal*
	Jan 21		*Find a potential client*
	Jan 22		*Find a potential client*
2	Jan 25	1. Team organization and functioning 2. Project Management	*Find a potential client*
	Jan 28		**Personal journal** (1) *Find a potential client*
	Jan 29		*Find a potential client*
3	Feb 1	3. Basic business concepts	*Find a potential client*
	Feb 4		**Quiz #1** – Teams
	Feb 5		**Assignment #1:** Project plan
4	Feb 8	4. Design and social responsibility	Team logbook (1) **Quiz #2** – Project management *Find a potential client*
	Feb 11		**Deliverable 1**. Project plan
	Feb 12		Team Leader Presentation
5	Feb 15	5. Modeling and UML: Behavioral, structural, dynamic	**Quiz #3** – Design and social responsibility
	Feb 18		**Personal journal** (2)
	Feb 19		**Deliverable 2**. Client summary, business domain summary, questionnaire

Wk	Date	Lecture / Discussion topic	Evaluation
6	Feb 22	6. Gathering requirements	Team Leader Presentation **Quiz #4** – UML
	Feb 25		
	Feb 26		
7	Mar 1	7. User stories (theory)	**Quiz #5** – Requirements Team logbook (2)
	Mar 4	7. User stories (lab)	
	Mar 5		**Deliverable 3**. Use cases, UML diagrams to model the existing system
8	Mar 8	8. MVC review, Ruby on Rails	Team Leader Presentation **Quiz #6** – User stories
	Mar 11	To be viewed asynchronously 8.a Ryan Singer: Design, Development 8.b Ryan Singer: Creating a web app	
	Mar 12		**Assignment #2:** Use Cases vs. User Stories
Mid-term break			
9	Mar 22	9. User Interface Design	**Quiz #7** – MVC
	Mar 25		Team logbook (3)
	Mar 26		**Deliverable 4**. User stories to express the requirements to solve the business problem
10	Mar 29	10. Database Design	**Quiz #8** – User interfaces Team Leader Presentation
	Apr 1		**Assignment #3:** User Interfaces
	Apr 8		**Personal journal** (3)
11	Apr 9		**Deliverable 5**. Prototype user interface and client comments
	Apr 12	11. Unit, integration, functional acceptance test plans Test driven design and development	Team Leader Presentation
	Apr 15		**Quiz #9** – DB design
12	Apr 16		**Assignment #4:** Database design
	Apr 19		**Quiz #10** – Test design plans
	Apr 22		
13	Apr 23		**Deliverable 6**. Database design
	Apr 26		Team Leader Presentation
	Apr 29		

Wk	Date	Lecture / Discussion topic	Evaluation
14	Apr 30		
	May 3		
	May 6		
15	May 7		**Personal journal** (4)
	May 10		Team logbook (4)
	May 11		**Deliverable 7**. Implementation using MVC, client comments **Learning Integration Assessment report**
	May 13 - 21	To be determined	Demonstration