

Recitation #1 : Groups

Group	Members
1	Fernando Mauri, Ilhwan Song, Trevor Tocchet, Steven Vanzyl
2	Megan Broga, Ronak Patel, Zhaoxi Sun, Colton Zecca
3	Priya Goel, Lauren McAlarney, Geetika Verma
4	Ryan Berlin, Ronna Min, Harry Tan
5	Hunter Cifuentes, Ahsanullah Sehat, Jennifer Xie
6	Teddy Clark , Abdulai Jalloh, Pengqin Wu
7	Ryan Hunt, Kai Liang, Andrew Smith
8	Kevin Cruz Calderon, Larissa Truesdell, Ryan Waddell
9	Justin Choi, Caitlyn Gardiner, ShiJie Liang
10	Mario Formisano, Michael Kokkatt, Chris Moore

Term Project Teams – Lally 102

Podium

Team 6

Team 1

Team 7

Team 2

Team 8

Team 3

Team 9

Team 4

Team 10

Team 5

Introduction to Information Technology and Web Science

ITWS 1100

Course Introduction

Introduction to ITWS

Class Agenda for Jan 10

- Introductions of Professors, TA, and Students
- Review of the Syllabus
- Review the Course RPI LMS website
- Technology Survey due by January 10 at midnight (aka EoD)
- Homework assignment: short paper on “What are your Goals and Expectations from this Course” due on Monday January 14 EoD

whoami

- Instructor: Richard M. Plotka
 - Office location: Lally Building Room 304
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 - Office hours: Mondays, Thursdays 3:00 – 3:50 PM, or by appointment.
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whoami

- Instructor: Matt Grill
- Office location: Lally Building Room 315
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whoami

- Teaching Assistant: Dashmeet Kaur
 - Office location: ITWS Lab Lally 205
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 - Office hours:
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Introduction to ITWS

RPI LMS Site

- <http://lms.rpi.edu/>
- Syllabus
- Schedule
- Assignments
- Assignment section submission of homework
- Graded assignments returned
- Grades
- Discussion Boards

Introductions

- What is your name?
- Where are you from?
- What is your major?
- What is one thing you want from this course?
- What are some of your hobbies?

Introduction to ITWS

- **What is IT?**

Introduction to ITWS

- **What is IT?**
- The application of Computer Science and Web Science to the common purposes of life
- Rensselaer's co-founder, Amos Eaton, famously created this school for "the application of science to the common purposes of life."

Introduction to ITWS

- **What is IT?**
- Just like Chemical Engineering is the application of Chemistry to the common purposes of life."
- **IT is the application of Computer Science and Web Science to the common purposes of life**

Introduction to ITWS is:

- Introduction to Technology (applied Computer Science and applied Web Science)
 - Protocols
 - Programming
 - Web design
 - Database
- Introduction to Applications
 - Communication and Networking
 - Social Networks
 - Enterprise Apps (ERP, SCM, CRM)
 - Web and Mobile Consumer Apps
 - Healthcare and other Services

Introduction to ITWS

Course Summary

- **Course Description:**
- This course introduces students to the field of information technology, the types of problems encountered in the field, and the solution approaches used to solve them. Through a series of activities and projects, students are introduced to topics such as web systems design, emerging web standards, database systems, security, and computer networking. Guest speakers highlight information technology practices in industry. Students work in groups on a team project and presentation at the end of the course.

Introduction to ITWS

Course Summary

- **Student Learning Outcomes:**
 - Students will be able to describe technologies important to the Information Technology Profession
 - Students will be able to describe major applications of computer science such as entertainment, communications, financial services, enterprise systems, electronic health systems, education, security, e-commerce, marketing, and design.
 - Students will design a simple web-site.
 - Students will design a simple database.
 - Students will analyze business cases.
 - Students will plan, design, develop, and execute a Term Project.

Introduction to ITWS

Course Summary

- **Course readings:**
- There is no textbook for this course
- Cases and other readings are available in a course pack from Harvard Business School Press at the following link:
<http://http://http://cb.hbsp.harvard.edu/cbmp/access/73746859>
- Go to link and pay for course pack with credit card.
- Most of the weekly readings are available on the Internet. Links to these readings are noted in the detailed assignments posted on the course LMS website.

Introduction to ITWS

Portion of the Course Calendar

Course Calendar - Spring 2019							
Week	Class Date		Type	Topics		Activities & Assignments	Notes
1						Technology Survey	
	R	Jan	10	Lecture	Introduction to course	Syllabus/Groups/Projects	
2	M	Jan	14	Lecture	Networks, Networking, and the Internet	Submit Short paper 'What do I want from this course'	
	R	Jan	17	Lecture	Networking & Protocols	Lab 1 - Protocols	
3	M	Jan	21	Holiday	NO Classes		
	R	Jan	24	Recitation	Architecture of WWW HTML & CSS	Term Project Assignment Discussion Lab 1 due	
4	M	Jan	28	Lecture	HTML & CSS	Lab 2 - HTML & CSS	
	R	Jan	31	Recitation	Guest - Web Science / Semantic Web / TWC	Lab 2 due	
5	M	Feb	4	Lecture	Website Architecture & Design	Web Science assignment due	
	R	Feb	7	Recitation	Website Architecture & Design	Lab 3 - HTML/CSS	
6	M	Feb	11	Lecture	Communications and Networks How to prepare and write a business case		
	R	Feb	14	Recitation	Case 1 Quiz 1 Review	Case 1 due Lab 3 due	
7	T	Feb	19	Lecture	Github Microformats XML	Global Networking Assignment due	Academic Monday
	R	Feb	21	Recitation	Microformats XML	Lab 4 - XML/RSS	Quiz 1
8	M	Feb	25	Lecture	Client-side programming -Javascript/DOM/Webforms	Term Project and Scope due by EoD Lab 4 Due	
	R	Feb	28	Recitation	Lab 5 - Javascript / Webforms	Lab 5 - JavaScript and Webforms	
Mar 4 - Mar 7 - Spring Break							

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Course Summary

- **Assignments:**
 - Weekly detailed assignments are posted on the course LMS website
 - ~ one week prior to their due date.
 - In class lab assignments are assigned for many of the technology classes.
 - Detailed lab instructions are posted on the course LMS website prior to their due date.
 - labs can generally be completed during the recitation sessions.
 - If not completed during the specific class session, they must be submitted by midnight, EoD, of the next class meeting.
 - Business Case write-ups are specified in the Course Calendar.
 - Write-ups are due *prior* to the start of class on their due date.
 - Quizzes and a Final Exam will be given during the course as specified in the Course Calendar.
 - The Course Project assignment will be posted on the LMS website.

Introduction to ITWS

Course Summary

- **Grading criteria**
- Assignments for the “labs”, project, and business cases are outlined in the Course Calendar. Specific detailed assignments will be posted on LMS. Each student must post their answers to the written assignments by the assigned date and time. Each assignment will be given a grade. The grades for homework, projects, business cases, labs, quizzes, term project, and participation will be posted on LMS.
- The quizzes and final exam will cover material from the readings, lectures, class discussions, labs, cases and projects. There will be two quizzes during the semester as shown in the Course Calendar. The final exam will comprehensively cover the entire course.

Introduction to ITWS

Course Summary

Grade weighting:

Homework and Business Cases	15%
Labs	15%
Quizzes (10% each)	20%
Term Project	20%
Final Exam	20%
Participation	10%

Introduction to ITWS

Course Summary

Course Grade Determination	Letter Grade	Course Average
	A-, A	90 – 100%
	B-, B, B+	80 – 89 %
	C-, C, C+	70 – 79 %
	D and D+	60 – 69 %
	F	< 60 %

Introduction to ITWS

Course Summary

- Attendance policy and Participation Grading:
- A significant portion of your grade will be received through classroom participation, labs, and the term project. Therefore it is expected that you attend every class and participate in team meetings associated with the term project. A participation grade will be given for each individual for each quarter of the course. A student may request an excused absence for health or career (job interviews) reasons by emailing the instructor prior to the beginning of that particular class.
- Bring your laptop computers to every class.
- Phones set on silent (or off) facedown in front of laptop

Introduction to ITWS

Course Summary

- **Participation Grading on a 5 Point Scale: Quality is more important than quantity**
- **0 – absence without an excuse**
- **1 – 2: in attendance, but not paying attention, e.g. sleeping, or doing email or Internet unrelated to class, and not apparently having done pre-class reading, not making significant contributions to the online discussion boards.**
- **3: in attendance, paying attention, appear to have done the pre-class reading, but not saying anything or otherwise contributing to the class, making little contributions to online discussion boards or Capstone Project Meetings.**
- **4 – 5: in attendance, paying attention, having done the pre-class reading, and contributing significantly to the class by answering questions, making thoughtful comments, engaging in the class discussion, making significant contributions to online discussion boards and engaging actively in the Term Project.**

Introduction to ITWS

Course Summary

- Academic integrity
- Integrity is an extremely important part of any person's character and behavior. This course expects the highest level of personal and academic integrity. Students may discuss labs and business case assignments with other students in the class, but all such assignments that are turned in for a grade must represent each student's own work, and each assignment must be written and submitted individually. Term Project assignments are done collectively by the Project Team and one submittal is made for the entire Team. In all assignments, citations must be done for all references including websites. Any breach of the academic integrity code listed in the Rensselaer Handbook will be considered grounds for failure in the course.

Introduction to ITWS

Course Summary

- **Questions?**