Course Syllabus

Jump to Today

YWCC 307 Teamwork and Communication – Spring 2022
Section 112 - Tue 600 PM, Section 114 - Tue 730 PM

Class attendance is mandatory; if you must miss a class, please let me know ahead of time. Lecture notes and other pre-requisite material are available in advance for all of the lectures. These provide an outline for much of the material that will be presented in class;

Course description:

Targeted instruction and practice in the communications required for careers in computer science. The curriculum covers written, oral, and interpersonal communication. Students will hand in (or organize their material on GitHub) pieces of writings, will make oral presentations several times in the semester, and will work together in simulated project meetings and other realistic scenarios of pair and small group interaction.

Communication techniques and methods employed in the development, including organizing code and documents on GitHub, marketing, and deployment of large software applications will be reviewed and presented. Topics include user stories, design communication, presentation, market analysis, user training, research, and proposal writing.

For the latest course information go to Canvas.

The information below should help you plan and organize your preparation during the semester.

Prerequisite courses and knowledge:

- Prerequisite course: YWCC 207
- Required background:
  - The students are required to have knowledge of key systems concepts, software development life cycle, and programming in Java or Python or a similar language.
  - A good understanding of programming, design, development, data modeling techniques, and database fundamentals is expected as well.
  - A good understanding of modern trends in information analysis, information technology, cloud computing, object-oriented principles, and agility is a plus
  - Undergraduate software development courses provide a good foundation

Outcomes expected upon the completion of the course:

- Good understanding of team formation and team dynamics
- Hands-on analysis and communication skills, using methods such as market analysis, presentation scenarios, blogs, and user stories

- Good understanding of writing persuasive reports, and engaging presentations
- Practice writing good emails and minutes of meetings
- Reading technical papers, and writing tech summaries
- Manage documents and code using a version control system like Github

Assessment throughout the course:

- Term project execution and deliverables - content, mastery of methods discussed in class and creativity; teamwork; research and analysis skills
- Blog post and discussions - active participation and moderation of discussions; free sharing of ideas and information related to the discussion topics; systematic progress with paper reading assignments
- Quiz and assignments - content, understanding of methods discussed in class and their effective user or application to the assignment; research and analysis skills
- Class participation – open contribution to the discussions and exercises, sharing, collaboration

Delivery Mechanism

The following delivery mechanisms will be utilized:

Face-to-face lectures (In class or delivered via Webex recording)
Canvas:

1. Lectures / Class participation - (30%)

   Lecture recordings and supplemental references will be posted in Canvas weekly.

2. Quizzes / Individual Presentation - (20%)

   There will be several graded quizzes during the semester. Each quiz is meant to review and test your knowledge of the material covered over several weeks. There is a time limit for each quiz administration.

3. Group Project - (50%)

   One of the key learning for students in this class is the feel of real-world teamwork and presentation experience -- The group project is extremely important for your learning in this class. Further details will be provided in Canvas and class.

Group Work:

Group work is an important part of this course. Students will be allocated into groups (teams) of 4-5 individuals. It is expected that all students will contribute equally to the work of a group. Each group submission will include a cover page affirming such.

Recognizing that the semester-long group project requires a sustained commitment of all members. If a group finds that a member is not carrying his/her assigned group responsibilities, the group will be able

to petition the instructor to have that individual removed. Before this petition is accepted, the group and instructor will meet to discuss it. If an individual is removed from a group, he/she will have to complete project steps individually. Please take group responsibilities seriously.

Unexcused late assignment submissions may not be accepted or accepted with a penalty.

A detailed description of the class is available at **YWCC-307-Vaish.pdf (https://njit.instructure.com/courses/22723/files/3241315/download?download_frd=1)**

Course Summary:

Date	Details	Due
Sat Jan 22, 2022	Let's Get to Know One Another (VoP)	to do: 11:59pm
Fri Mar 4, 2022	Individual Presentation (https://njit.instructure.com/courses/22723/assignments/216931)	due by 11:59pm
Mon Mar 28, 2022	Problem Set - 1 (https://njit.instructure.com/courses/22723/assignments/232471)	due by 11:59pm
	Teamwork case study (https://njit.instructure.com/courses/22723/assignments/216935)	due by 11:59pm
Sat May 14, 2022	Meeting minutes (https://njit.instructure.com/courses/22723/assignments/216932)	due by 11:59pm