

**STATE UNIVERSITY OF NEW YORK
COLLEGE OF TECHNOLOGY
CANTON, NEW YORK**



MASTER SYLLABUS

CITA 481 - SENIOR PROJECT IN INFORMATION TECHNOLOGY

**Created by: Minhua Wang
Updated by: Minhua Wang**

**CANINO SCHOOL OF ENGINEERING TECHNOLOGY
DECISION SYSTEMS
FALL 2018**

A. **TITLE:** Senior Project in Information Technology

B. **COURSE NUMBER:** CITA 481

C. **CREDIT HOURS:** (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

Credit Hours: 6

Lecture Hours: per week

Lab Hours: per week

Other: Approximately 240 project activity hour's student needs to maintain the activity log and the faculty mentor is responsible for monitoring the student activity. **per week**

Course Length: 15 Weeks

D. **WRITING INTENSIVE COURSE:** No

E. **GER CATEGORY:** None

F. **SEMESTER(S) OFFERED:** As required

G. **COURSE DESCRIPTION:** This course is an alternative course for students in Information Technology program who cannot find a 12-credit Internship position. The course requires extensive project development work to integrate the specialized skills and knowledge presented throughout other courses in the Information Technology curriculum. Under the guidance of a faculty mentor, the student prepares a project proposal, conducts literature review and project implementation, submits a project report, and makes an oral presentation.

H. **PRE-REQUISITES/CO-REQUISITES:**

a. Pre-requisite(s): Senior status in Information Technology program

b. Co-requisite(s): none

c. Pre- or co-requisite(s): none

I. **STUDENT LEARNING OUTCOMES:**

By the end of this course, the student will be able to:

<u>Course Student Learning Outcome</u> <u>[SLO]</u>	<u>PSLO</u>	<u>ISLO</u>
a. Use the knowledge learned from courses taken in IT curriculum and apply it to implement a senior-level project in the field	3. Demonstrate a solid understanding of the methodologies and foundations of IT	5
b. Identify and operate with the required steps to complete the project	3. Demonstrate a solid understanding of the methodologies and foundations of IT	5
c. Prepare a literature review on the project topic	3. Demonstrate a solid understanding of the methodologies and foundations of IT	5

d. Assess data and other information relevant to the project	3. Demonstrate a solid understanding of the methodologies and foundations of IT	5
e. Develop and evaluate the project implementation	3. Demonstrate a solid understanding of the methodologies and foundations of IT	5
f. Assemble a complete project report and revise it under the guidance of the faculty mentor	3. Demonstrate a solid understanding of the methodologies and foundations of IT	5
g. Conclude the project through oral presentation	1. Communicate effectively both verbally and in writing	1[O, W]

J. %

APPLIED LEARNING COMPONENT: Yes X No _____

- Creative Works/Senior Project

K. TEXTS: None

L. REFERENCES: None

M. EQUIPMENT: Specific to project

N. GRADING METHOD: A-F

O. SUGGESTED MEASUREMENT CRITERIA/METHODS:

- Report
- Presentation
- Participation

P. DETAILED COURSE OUTLINE:

I. Project Topic

- Select Information Technology project topic
- Develop project timeline
- Review of evaluation criteria on project
- Written project proposal

II. Literature Review

- Identify potential literature sources with college reference librarian
- Review of physical literature, including books, journals, and other sources
- Review of electronic literature, including reliable Web resources

III. Implementation Methodology

- Develop any appropriate implementation questions and/or hypotheses
- Determine what data and other information are necessary for the project
- Determine what technical assistance and/or equipment is needed

IV. Project Implementation

- Implement the project
- Assess and evaluate the project implementation
- Identify future areas of implementation work

V. Project Report

- Study the project report guideline
- Formulate the report
- Review and revise the report with the faculty mentor

VI. Oral Presentation

- Arrange the oral presentation with faculty
- Prepare the presentation
- Defend the project through the oral presentation

Q. LABORATORY OUTLINE: N/A !