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

COURSE OUTLINE
CITA 481 SENIOR PROJECT IN INFORMATION TECHNOLOGY

Revised By: Minhua Wang

CANINO SCHOOL OF ENGINEERING TECHNOLOGY
Computer Information Systems / Information Technology
May 2015
A. **TITLE:** Senior Project in Information Technology

B. **COURSE NUMBER:** CITA 481

C. **CREDIT HOURS:** 6

D. **WRITING INTENSIVE COURSE:** No

E. **COURSE LENGTH:** 15 weeks

F. **SEMESTER(S) OFFERED:** Fall/Spring

G. **HOURS OF LECTURE, LABORATORY, RECITATION, TUTORIAL, ACTIVITY:** Approximately 225 project activity hours. Student needs to maintain the activity log and the faculty mentor is responsible for monitoring the student activity.

H. **CATALOG 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.

I. **PRE-REQUISITES/CO-REQUISITES:**
   a. Pre-requisite(s): CITA 479 Information Technology Internship Orientation, and senior status in Information Technology program, or permission of the program director
   b. Co-requisite(s): none

J. **GOALS (STUDENT LEARNING OUTCOMES):**
   By the end of this course, the student will be able to:

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<tr>
<th>Course Objective</th>
<th>Institutional SLO</th>
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<tr>
<td>a. Use the knowledge learned from courses taken in IT curriculum and apply it</td>
<td>2. Crit. Thinking</td>
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<td>to implement a senior-level project in the field</td>
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<td>b. Identify and operate with the required steps to complete the project</td>
<td>2. Crit. Thinking</td>
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<td>c. Prepare a literature review on the project topic</td>
<td>2. Crit. Thinking</td>
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<td>d. Assess data and other information relevant to the project</td>
<td>2. Crit. Thinking</td>
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<td>e. Develop and evaluate the project implementation</td>
<td>2. Crit. Thinking</td>
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<td>f. Assemble a complete project report and revise it under the guidance of the</td>
<td>1. Communication</td>
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<tr>
<td>faculty mentor</td>
<td>3. Prof. Competence</td>
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g. Conclude the project through oral presentation

| 1. Communication  
| 2. Crit. Thinking  
| 3. Prof. Competence  
| 4. Inter-Intrapersonal |

K. **TEXTS:** N/A

L. **REFERENCES:** N/A

M. **EQUIPMENT:** specific to project

N. **GRADING METHOD:** A-F

O. **MEASUREMENT CRITERIA/METHODS:**
   - Report
   - Presentation
   - Participation

P. **DETAILED COURSE OUTLINE:**

I. **Project Topic**
   - A. Select Information Technology project topic
   - B. Develop project timeline
   - C. Review of evaluation criteria on project
   - D. Written project proposal

II. **Literature Review**
   - A. Identify potential literature sources with college reference librarian
   - B. Review of physical literature, including books, journals, and other sources
   - C. Review of electronic literature, including reliable Web resources

III. **Implementation Methodology**
   - A. Develop any appropriate implementation questions and/or hypotheses
   - B. Determine what data and other information are necessary for the project
   - C. Determine what technical assistance and/or equipment is needed

IV. **Project Implementation**
   - A. Implement the project
   - B. Assess and evaluate the project implementation
   - C. Identify future areas of implementation work

V. **Project Report**
   - A. Study the project report guideline
   - B. Formulate the report
   - C. Review and revise the report with the faculty mentor

VI. **Oral Presentation**
   - A. Arrange the oral presentation with faculty
   - B. Prepare the presentation
   - C. Defend the project through the oral presentation

Q. **LABORATORY OUTLINE:** N/A