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| **CSCI/HNTH 391 2021FA**  **Junior Seminar I – Computer Science, Computer Engineering, MIS**  **Department of Mathematics & Computer Science**  **School of Natural Sciences & Mathematics** |

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| Instructor | Shrikant Pawar | Office | JST 121 |
| Phone | (404) 431-0213 | Email | spawar@Claflin.edu |
| ***Office*** ***Hours*** | M-F: All day. Best times: MWTF: 11-1PM | Class Time | (HNTH only) W 1:00pm – 1:50pm  F 1:00 – 1:50 pm |
| ***Credit Hours*** | 0.5 | Class Location | VIRTUAL |

# Course Description

This seminar is designed to help prepare students for the successful development of research or project proposal study and for transition into graduate/professional school or workplace within their major discipline. Lectures and exercises in areas such as technical reading and writing will be conducted. Students will do multiple short presentations. Each student will present his/her concept/work on thesis/project proposal toward end of semester. The seminar will also serve as a student-faculty informal forum for communication and exchange of ideas and discussion of topics in the areas of mathematics and computer science. Occasional presentations by invited guests.

**Prerequisite: Passing grade in CSCI 292 and Junior program standing**

http://www.justtextbook.com/images/9780132575669.jpg**Textbook**: Materials made available in Moodle

# Course Outcomes

Students will be able to:

**CO1:** Use research tools (library, media, software)

**CO2:** Prepare proposal/thesis document

**CO3:** Select a career path

**CO4:** Learn ethics and professional responsibility

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# Assessment of Course Outcomes

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| **Outcomes** | **Methods of Assessment** |
| **CO1:** Use research tools (library, media, software) | Assignments, Projects, Presentations |
| **CO2:** Prepare proposal/thesis document | Projects, Presentations |
| **CO3**: Select a career path | Assignments, Presentations |
| **CO4**: Learn ethics and professional responsibility | Assignments, Presentations |

# ABET-CAC Course Outcomes – Student Outcomes Mapping

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| --- | --- | --- | --- | --- | --- | --- |
| **ABET CAC Criteria & Student Outcomes**  [**http://www.abet.org/accreditation-criteria-policies-documents/**](http://www.abet.org/accreditation-criteria-policies-documents/) | | | **Course Outcomes** | | | |
| **1** | **2** | **3** | **4** |
| **ABET CAC CRITERIA (STUDENT OUTCOMES)** | a | An ability to apply knowledge of computing and mathematics appropriate to the discipline | 0 | 0 | 0 | 0 |
| b | An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution | 0 | 1 | 0 | 0 |
| c | An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs | 0 | 0 | 0 | 0 |
| d | An ability to function effectively on teams to accomplish a common goal | 0 | 0 | 0 | 0 |
| e | An understanding of professional, ethical, legal, security and social issues and responsibilities | 0 | 1 | 0 | 2 |
| f | An ability to communicate effectively with a range of audiences | 1 | 2 | 1 | 0 |
| g | An ability to analyze the local and global impact of computing on individuals, organizations, and society | 0 | 0 | 0 | 0 |
| h | Recognition of the need for and an ability to engage in continuing professional development | 0 | 2 | 0 | 1 |
| i | An ability to use current techniques, skills, and tools necessary for computing practice. | 0 | 0 | 0 | 0 |
| j | An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices | 0 | 0 | 0 | 0 |
| k | An ability to apply design and development principles in the construction of software systems of varying complexity. | 0 | 0 | 0 | 0 |

\* 3 = major contributor, 2 = moderate contributor, 1 = minor contributor; 0 = if not related

# Tentative Schedule

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| --- | --- |
| ***Week*** | ***Topic*** |
| 1 | Introduction |
| 2-3 | Scientific Inquiry Review |
| 4-6 | Professional, Legal, and Ethical Responsibilities /Institutional Review Board |
| 6-7 | Conducting Research/ Exploring Literature in the Domain & Technical Reading |
| **Midterm Assessment** | |
| 9 | Topic Select & Problem Formulation/Choosing a Capstone Advisor |
| 10-11 | Analysis of Research Literature |
| 12-13 | Literature reviews |
| 14-15 | Literature reviews |
| 16 | Technical Presentations |

# Assessment Policy

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| --- | --- |
| Class Deliverables | 70% |
| Midterm activity | 15% |
| Capstone Prospectus First Draft | 15% |

Notes:

(i) I do not, as a policy, grade late submissions of work. You will have the opportunity

once in the semester to request the opportunity to have late work be assigned a

grade. You will lose 10% of your grade for an assessment item every day it is late

up to the 7th day. Any other submitted late work is graded at my discretion.

(ii) Makeup assessments will not be given without proper excuse from the Vice

President for Student Development and Services. If you have advanced notice of

issues around exams or work due dates, please contact the professor as soon as

possible to try to be accommodated.

# Grading Scale

P cumulative points ≥ 70

F Otherwise

# Code of Honor Policy Statement

**“Code of Honor Policy Statement**

Claflin University prohibits all forms of academic or scholarly dishonesty, including written or oral examinations, term and research papers or theses, modes of creative expression, and computer-based work.

Scholarly dishonesty includes lying, cheating, plagiarism, collusion, and the falsification or misrepresentation of experimental data. (For social behavior, see Claflin University Student Handbook: Code of Conduct and Code of Ethics).

**Code of Honor Definition of Violations**

* 1. Academic Dishonesty – This includes any other act (not specifically covered in previous provisions) that compromises the integrity of a student or intrudes on, violates, or disturbs the academic environment of the University Community. Examples include attempting or agreeing to commit, or assisting or facilitating the commission of, any scholastic dishonesty, failing to appear or testify without good cause when requested by the Council for the Code of Honor, failing to keep information about cases confidential, supplying false information to the Council for the Code of Honor and accusing a student of a violation of this Code in bad faith.
  2. Cheating – This act implies an intent to deceive. It includes all actions, electronic or other devices and deceptions used in the attempt to commit this act. Examples include, but are not limited to, copying answers from another student’s exam and using a cheat sheet or crib notes in an exam.
  3. Collusion – This is the act of working together on an academic undertaking for which a student is individually responsible. Examples include, but are not limited to, sharing information in labs that are to be done individually.
  4. Plagiarism – Plagiarism is representing the words or ideas of someone else as one’s own. Examples include, but are not limited to, failing to properly cite direct quotes, the false utilization of copyrighted material and the failure to give credit for someone else’s ideas.” (*2010-2011 Claflin University Catalog*, pg. 39-40)

**CODE OF HONOR PLEDGE**

“In my enrollment at Claflin University, I do hereby solemnly pledge that I will adhere to the Code of Honor. As a Claflin University Student, I do solemnly pledge to uphold the integrity of Claflin University. I will not participate in nor tolerate dishonesty in any academic endeavor.”

# Assurance Statement

If you need accommodations in this class related to a disability, please make an appointment as soon as possible. My office hours are posted in the syllabus and appointments are available via the appointment link in the moodle classroom office hours section.

In addition, classroom and testing accommodations should be discussed early in the semester. Please contact **Campus Counseling Center – (803) 535-5285** regarding appropriate classroom accommodations.

# Early Alert Statement

As a part of our renewed focus on engaged learning, Claflin University has enhanced and expanded its current Early Alert Program. This program is designed to assist with your success and will be given a high priority as a strategy for this class.  Should the instructor determine that you might benefit from taking advantage of these support services and campus resources, you will be referred for such additional support as a means to assist with successful completion of this course.  It is further expected that you will comply with the referral and take advantage of the services offered.  Please understand that such referrals are not a form of punishment, rather, they are intended to help you reach and achieve your academic and personal goal.

# Attendance

Students are expected to attend all classes for which they are registered. Students may be allowed as many unexcused absences as a course meets weekly. Instructors are to report excessive absences to the Academic Success Center and Vice President for Student Development and Services.

Students may obtain official university excuses for absences from the Office of Student Development and Services or other designated campus officials. After students obtain signatures from the appropriate course instructors, all excuses must be returned to the Office of Student Development and Services.

Students who may miss classes while representing the university in an official capacity are exempt from regulations governing absences only to the extent that their excessive absences result from the performance of such university business or affairs. Absence from class for any reason does not relieve the student from responsibility for any class assignments that may be missed during the period of absence.

1. **Attendance Alert**

With the increased concern regarding the COVID-19 virus and the subsequent need to adjust the typical interactions with faculty and peers that we know foster engagement, your instructor will be monitoring your attendance closely. If you miss one week’s attendance and participation, they will determine that you could benefit from additional support, and you will be referred to the Academic Success Center. We also encourage you to reach out yourselves, anytime, to your instructor, your advisor, The Academic Success Center or Claflin’s Counseling Center if you are struggling to take care of yourself while learning in the time of COVID-19.

# Guidelines for Civil and Responsible Use of Personal Technology

Please do not use personal devices for activities that are not related to coursework or current class activities. Repeated disruptions during class while using personal devices will result in being asked to leave the classroom for the day and being marked as absent. You will be responsible for attaining any assignments or information needed for later assessments. As a courtesy, please put all devices on vibrate, and in an emergency please quickly leave the class before answering a phone.

**Personal Protection Equipment** - **Face Covering**

To protect the health and safety of Claflin University faculty, staff and students, it is **mandatory** that face coverings are worn while in the classrooms and in all common spaces at Claflin University. In classrooms, faculty have the right to deny a student entry into the room if the student is not wearing a face covering.