CS 444: Capstone Assessment and Professional development

South Carolina State University

1. About Instructor

Instructor:	Nikunja Swain, Ph.D., PE
Office:	Engineering and Computer Science Complex, Room 236
E-mail:	nswain@scsu.edu
Office Hour:	TTH: 9:30 am-11:30 am WF: 8:30am-10:00am

2. About Course

Text Book:	**None.**
Course Description	This course will focus on professional development activities such as invited speaker series, team work, communication and others. This will also focus on capstone assessment activities such as review sessions for Major Field Test and Senior Exit Examination. Prerequisites: Senior standing and permission by instructor
Rational and Objectives	The purpose of this course is to introduce the students to importance of professional development and life-long learning through invited speaker series, scholarly literature review and group presentations. Review sessions for capstone assessment activities such as Major Field Test and Senior Exit Examination will be provided in this course.
Course Competencies	Upon completion of this course the students are expected to be able to demonstrate their knowledge in the following areas of the subject: • Importance of Professional Development activities • Importance of life-long learning • Importance of team work and communications • Subject areas in Major Field Test
Expected Measure Outcomes	a. Students will take periodic examinations or quizzes throughout the term to test their understanding of material covered. b. Students will write reports on topics listed by the instructor and present the report in class. c. Students will complete the Major Field Test and Senior Exit Examination in class.
Learning and Teaching Strategy	Formal lectures will provide the theoretical base for the subject as well as covering its practical application. Suggested reading will support and direct the students in their own personal study. Regularly scheduled activities (invited speaker series, review sessions, participation in outreach activities and others) in the Department of Mathematics and Computer Science will provide extensive hands-on support to reinforce the material covered.

3. Course Outline by Topic

Weeks (1 and 2)	Review1//participation in outreach activities First guest speaker Topic for Report 1
Weeks (3 and 4)	Report 1 Presentation Review2 Second Guest Speaker Quiz 1 Topic for Report 2
Weeks (5 - 6)	Report 2 Presentation Review 3/participation in outreach activities Third Guest Speaker Topic for Report 3
Weeks (7 - 8)	Report 3 Presentation Review 4 Four Guest Speaker Quiz 2 Topic for Report 4
Weeks (9 - 11)	Review 5/participation in outreach activities Report 4 Presentation Quiz 3 Fifth Guest Speaker Topic for Report 5
Weeks (12 - 14)	Senior Exit Examination Major Field Test
Weeks (15 - 16)	Report 5 Presentation

4. Grading

Source:	Evaluation will be based on quizzes, class participation, presentations, and examinations. Distribution of marks are as follows: Class Participation .... 30% Report/Oral Presentation .... 30% Examinations/Quizzes .... 40% Total 100%
Grading Scale:	A: 90% - 100% B: 80% - 89% C: 70% - 79%

	D: 60% - 69% F: 0% - 59%

Library Assignments:	Students will be asked to review papers using ACM digital library on any topic related to computing. Further information will be provided during class sessions.

Special Course Requirements:	Participation is extremely important in this course. Students are required to participate in all presentations and reviews.