

COURSE SYLLABUS

COURSE: CIS 293 – Advanced Technologies
CREDIT: 2 semester hours (4 Lab hours)
INSTRUCTOR: Roger Morris
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SCHOOL: Southeast Technical Institute
ADDRESS: 2205 N. Career Avenue, Sioux Falls, SD 57107

Textbook: None

DESCRIPTION:

This course will allow to students to explore/research new technologies in the IT world, make use of the technologies, and present/demonstrate the technology to their classmates in a classroom setting.

The schedule for the class will be as follows:

Week 1: Turn in topic and plan – Start research
Week 2: Research
Week 3: Research
Week 4: Presentations
Week 5: Turn in topic and plan – Start research
Week 6: Research
Week 7: Research
Week 8: Presentations
Week 9: Turn in topic and plan – Start research
Week 10: Research
Week 11: Research
Week 12: Presentations
Week 13: Turn in topic and plan – Start research
Week 14 (1 class): Research
Week 15: Research
Week 16: Presentations

New technologies is defined, for this class, as either a topic such as “cloud computing” or a computer language such as “JavaScript”. This can be new to you or expanding on something you already know. Everybody will be required to research “JavaScript” but the other 3 topics are of your choosing.

Topic and plan is defined as listing the topic, a short description of what you expect to present and the members of your group if you have any.

Topics can be done in groups of no more than 3 or as individuals but at least 2 topics must be done in a group.

A List of possible topics includes:

JavaScript (required)	Cloud computing	Android Programming
iTouch programming	Oracle	MySQL
J++	RPG	...

PREREQUISITES: CIS 130, CIS 195

Textbook: None.

COURSE SKILLS: The student should have the following skills upon successful completion of this course:

Learn about JavaScript
Research skills
Working in small groups

BASIS FOR EVALUATION:

Topic research and presentation (100% of grade) – The grade will be based on the amount of research, work effort, and presentation made by each member of the group.

COMPUTER INFORMATION PROCESSING Grading and Attendance Policies

GRADING

You must have a c- or 70% to receive STI credit towards an STI programming degree.

The grading scale is as follows:

A = 90 - 100	B = 80 - 89	C = 70 - 79	D = 60 - 69	F = 59 and below
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ATTENDANCE POLICY: Punctuality and good attendance are important. Being tardy or absent has a negative effect on the learning environment and ultimately the employment environment. Some work will be done in groups, as such you also have a responsibility to your group. To better prepare you for employment, this course has expectations that emulate those of a normal job. Students are responsible for monitoring their attendance (posted on STINet).

Tardiness - Tardiness begins the minute class starts, so plan to be on time. We expect that students will have their work done before leaving a lab early.

Absences - All homework should still be turned in on time. It is the responsibility of the student to contact the instructor and make other arrangements if you cannot turn in your work on time.

Students are encouraged to meet with and email their instructors if they have extenuating circumstances that cause them to be absent for an extended period of time.

STUDENT RESPONSIBILITY

It is the student's responsibility to be an active participant in class. Integrity and professional work ethics will be demonstrated by the instructor and required from the students. Excessive misuse of the computer

resource (excessive Internet surfing during classroom sessions, emailing, chat room use, inappropriate computer use and/or screen savers, etc.) will result in disciplinary action. Please refer to your Student Handbook for more details. Cheating and plagiarism will result in a zero for that work. Further unethical behavior will result in a failing grade for the course. *

Violations of safety to self and others and/or violation of safe operating practices of equipment may result in: the reduction or loss of your daily grade; removal from class; and/or other disciplinary action.

The instructors and the faculty members in this course will act with integrity and strive to engage in equitable verbal and nonverbal behavior with respect to differences arising from age, gender, race, handicapping conditions and religion. If you have special needs as addressed by the American with Disabilities Act and need course materials in alternative formats, notify your instructor immediately. Reasonable efforts will be made to accommodate your special needs.

STUDENT SUCCESS

Student success is important to our faculty, and all faculty are involved in assessing learning. Upon completion of a degree, Southeast graduates will have demonstrated competence in the following areas:

Science and Technology: Technical competence including knowledge of technology and/or scientific principles as these apply to programs.

Problem Solving & Critical Thinking: The ability to select and use various approaches to solve a wide variety of problems – scientific, mathematical, social and personal. Graduates will also be able to evaluate information from a variety of perspectives, analyze data, and make appropriate judgments.

Communication: The ability to communicate effectively in several forms – oral, written, nonverbal and interpersonal. Graduates will also demonstrate knowledge of how to manage and access information.

Professionalism: Strong work ethic, including responsible attendance; skill in teamwork and collaboration, as well as an ability to work with others, respecting diversity; ability to adapt to change; commitment to lifelong learning; adherence to professional standards; and positive self-esteem and integrity.

*Refer to your STI Student Handbook for additional school policies.