

Montgomery County Community College  
FSC 110  
Special Studies in Fire Science  
3-3-0

**COURSE DESCRIPTION:**

Topics or areas of professional interest within the fire science field will be explored. These offerings will vary from semester to semester, depending upon the needs of the students and the community, along with the future development of the program.

**REQUISITES:**

*Previous Course Requirements*

- FSC 100 - Introduction to Fire Science

*Concurrent Course Requirements*

None

LEARNING OUTCOMES Upon successful completion of this course, the student will be able to:	LEARNING ACTIVITIES	EVALUATION METHODS
1. Exhibit proficiency in reading and writing within the conceptual framework of topical and assigned subject matter within the field of fire science.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Essay Assignments Directed Research	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study
2. Exhibit proficiency in oral communication within the conceptual framework of understanding the interaction of the various components and areas within fire science technology.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Oral Presentation Directed Research Quizzes and Exams	Graded Oral Presentation

LEARNING OUTCOMES	LEARNING ACTIVITIES	EVALUATION METHODS
3. Exhibit an ability to identify, analyze and question the principle conceptual issues in fire science technology.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study Graded Oral Presentation
4. Exhibit a basic familiarity with fire science components.	Assigned Readings Lectures Discussions Case Study Analysis AV/Multimedia Materials Internet Field Trips Field Trips Essay Assignments Directed Research Quizzes and Exams Oral Presentation	Multiple-Choice Exam Graded Essay Graded Essay Exam Assignments Graded Research Project Individual or Group Presentation Graded Class Discussion Graded Case Study Graded Oral Presentation

At the conclusion of each semester/session, assessment of the learning outcomes will be completed by course faculty using the listed evaluation method(s). Aggregated results will be submitted to the Associate Vice President of Academic Affairs. The benchmark for each learning outcome is that *70% of students will meet or exceed outcome criteria*.

#### SEQUENCE OF TOPICS:

Topics and areas of discussion will vary from semester to semester.

1. The Fire Service and Technology; Are the Horses Still Hidden Somewhere?
2. The Modern Fire Service, Generalists vs. Specialists; Trying to Be All Things to All People
3. The Role of the Fire Protection Engineer/Specialist in the Fire Service
4. Fire Regulations, Who Needs Them, Who Knows Them?
5. Downsizing and Fire Protection, Recruitment, Retention, Retirement, Resentment
6. Full Scale Fire Testing vs. Fire Modeling; Can We Learn from the Researchers?

#### LEARNING MATERIALS:

Textbooks are selected each semester at the discretion of the division.

Other learning materials may be required and made available directly to the student and/or via the College's Libraries and/or course management system.

COURSE APPROVAL:

Prepared by: Don Nypower

Date: 6/1995

Revised by: Benn Prybutok

Date: 2/2013

VPAA/Provost or designee Compliance Verification:  
Victoria L. Bastecki-Perez, Ed.D.

Date: 2/25/2013

Revised by: Jayden Sampson

Date: 12/16/2017

VPAA/Provost or designee Compliance Verification:

Date: 12/18/2017



*This course is consistent with Montgomery County Community College's mission. It was developed, approved and will be delivered in full compliance with the policies and procedures established by the College.*