Modesto Junior College  
Course Outline of Record  
FSCI 353

I. OVERVIEW
The following information will appear in the 2009 - 2010 catalog

FSCI-353    Training Instructor 1B     2 Units

Formerly listed as: FSCI - 353: Fire Instructor 1B
Prerequisite: Satisfactory completion of FSCI 352 .
Materials Fee Required

Introduction to Training instruction. This is the second part of a two-course series to prepare prospective or active fire company officers with knowledge, methods and techniques for training fire service personnel with emphasis on: Students developing a course outline, technical lesson plans and using multimedia aids. Students evaluate learning philosophies and the technical aspects of the four step method of instruction. Student instructors will apply principles of learning through teaching demonstrations and the evaluation of other students’ lesson delivery. Field trips are not required. Course is not applicable to the associate degree.

II. LEARNING CONTEXT
Given the following learning context, the student who satisfactorily completes this course should be able to achieve the goals specified in Section III, Desired Learning:

A. COURSE CONTENT

1. Required Content:

   1. Instructors role and responsibilities
      1. Psychology of planning and presenting technical information
   2. Instruction
      1. Effective lecture instruction
      2. Levels of instruction
      3. Effective technical methods
      4. Methods of evaluating student feedback
      5. Evaluation techniques
   3. Course outlines
      1. Preparing course outlines
      2. Developing technical lesson plans
      3. Developing information and activity sheets
   4. Testing
      1. Procedures used in test planning
      2. Fundamentals of different testing models
      3. Test development
      4. Test analysis
   5. Visual aids
      1. How and when to use visual aids
      2. How to prepare visual aids
      3. How to determine visual aid effectiveness

2. Required Lab Content:

   1. Demonstration of instructors role and responsibilities
      1. Psychology of planning and presenting technical information
   2. Application of Instructional methods
      1. Effective lecture instruction
      2. Levels of instruction
3. Effective technical methods
4. Methods of evaluating student feedback
5. Evaluation techniques
3. Development of Course outlines
   1. Preparing course outlines
   2. Developing technical lesson plans
   3. Developing information and activity sheets
4. Creation of Testing Instruments
   1. Procedures used in test planning
   2. Fundamentals of different testing models
   3. Test development
   4. Test analysis
5. Utilization of Visual aids
   1. How and when to use visual aids
   2. How to prepare visual aids
   3. How to determine visual aid effectiveness

B. ENROLLMENT RESTRICTIONS

1. Prerequisites

   Satisfactory completion of FSCI 352.

2. Requisite Skills

   Before entering the course, the student will be able to:
   
   a. Analyze the training needs for Fire departments and students.
   b. Analyze State Fire Trainings Occupational analysis.
   c. Validate the IFSTA 500 competencies.
   d. Develop course outlines.
   e. Write behavioral objectives.
   f. Choose instructional material.
   g. Develop testing tools.
   h. Evaluating the instructional process.
   i. Test learner outcomes.

C. HOURS AND UNITS

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2 Units

D. METHODS OF INSTRUCTION (TYPICAL)

   Instructors of the course might conduct the course using the following method:

   1. Course material is presented through class lecture, visual aids and teaching demonstrations.
   2. Additional studies will be required from technical manuals and textbooks.
3. Instructor gives practical exercises and student activities to prepare the student to construct and deliver a technical lesson.

4. Instructor uses group discussions to gain feedback from students about subject matter and to gauge student progress.

E. ASSIGNMENTS (TYPICAL)

1. **EVIDENCE OF APPROPRIATE WORKLOAD FOR COURSE UNITS**
   
   *Time spent on coursework in addition to hours of instruction (lecture hours)*
   
   a. Develop course outlines, job breakdowns, and manipulative lesson plans throughout the course of instruction.
   
   b. Develop and prepare to deliver two lesson plans using manipulative skills for the lesson.
   
   c. Develop one course of instruction.
   
   d. Prepare to conduct two teaching demonstrations, per term, which include the following:
      
      i. Course outlines
      
      ii. The four-step method of instruction
      
      iii. Manipulative lesson plan delivery
      
      iv. Job breakdown sheets
      
      v. Student evaluation sheets

2. **EVIDENCE OF CRITICAL THINKING**
   
   *Assignments require the appropriate level of critical thinking*
   
   a. Review and analyze the Occupational Analysis.
   
   b. Develop a course outline using the Occupational Analysis.
   
   c. Construct student behavioral objectives for technical issues.
   
   d. Develop information and activity sheets which are reflective lesson plan objectives.
   
   e. Construct one ten-question multiple choice and one ten-question true/false test which are reflective of student constructed lesson plan.
   
   f. Deliver a twenty-minute student teaching demonstration using a computer, a technical lesson plan, and three multi-media visual aids.
   
   g. Evaluate student teaching demonstration and lead classroom evaluation of student technical lesson delivery using a student evaluation form.

F. **TEXTS AND OTHER READINGS (TYPICAL)**

III.  DESIRED LEARNING

A. COURSE GOAL
   As a result of satisfactory completion of this course, the student should be prepared to:

   Plan and conduct technical lesson plans for fire service personnel according to California State Fire Training standards. Students will select, develop, organize, and utilize instructional materials appropriate for teaching technical lessons according to training and performance standards set forth by the National Fire Protection Association.

B. STUDENT LEARNING GOALS
   Mastery of the following learning goals will enable the student to achieve the overall course goal.

1. Required Learning Goals
   Upon satisfactory completion of this course, the student will be able to:
   a. Design and prepare technical lesson plans.
   b. Define the four-step method of instruction and how it applies to technical lessons.
   c. Review the contributions of Benjamin Bloom to instructional design and curriculum development.
   d. Describe a teaching demonstration.
   e. Create evaluation instruments such as quizzes, tests, and exams.
   f. Describe methods of evaluation for peer instructors.
   g. Develop and implement collateral teaching materials.

2. Lab Learning Goals
   Upon satisfactory completion of the lab portion of this course, the student will be able to:
   a. Perform teaching demonstration.
   b. Evaluate peer instructors.

IV. METHODS OF ASSESSMENT (TYPICAL)

A. FORMATIVE ASSESSMENT
   1. Class discussion and group exercises relating to fire service training
   2. Evaluation of technical lesson plans
   3. Student and Instructor evaluation of teaching demonstrations
   4. Weekly quizzes
   5. Weekly written assignments based on students’ technical lesson plans.

B. SUMMATIVE ASSESSMENT
   1. California State Fire Training certification examination
   2. Evaluation of final course development
3. Evaluation of twenty minute teaching demonstration