Course Syllabus

Department: Conservation

Date: October 13, 2012

I. Course Prefix and Number: WFS 215
   Course Name: Fire Operations in the Wildland/Urban Interface

   Credit Hours and Contact Hours: 2 credit hours and 2 contact hours
   Catalog Description including pre- and co-requisites: supporting data required for grade prerequisite of ‘C’ or higher.

   This course designed to assist structure and wildland firefighters who will be making tactical decisions when confronting wildland fires that threaten life, property and/or improvements in the wildland/urban interface. Course meets NWCG (National Wildfire Coordinating Group) standards for S-215 certification. Prerequisite: WFS 130/CON 255 or permission of the Department.

   Relationship to Academic Programs and Curriculum including SUNY Gen Ed designation if applicable:

   This course is an elective offering for the Wildland Fire Suppression Certificate.

II. Course Student Learning Outcomes: State the student learning outcome(s) for the course (e.g. Student will be able to identify…)

   Students will:

   1. Evaluate potential fire situations within the urban interface and prioritize among them. (professional competency, oral communication, critical thinking)
   2. Apply proper techniques for mitigating fire damage to dwellings and other structures through scenario interactions. (professional competency, critical thinking, information resources)
   3. Describe how to assess where hazardous conditions would lie if a fire were to occur. (professional competency, critical thinking, oral communication)
   4. Demonstrate how to deploy and use resources to minimize the threat to life and property. (professional competency, critical thinking)

   College Learning Outcomes Addressed by the Course: (check each College Learning
### Outcome addressed by the Student Learning Outcomes

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<tbody>
<tr>
<td>writing</td>
<td>computer literacy</td>
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<tr>
<td>X oral communications</td>
<td>ethics/values</td>
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<tr>
<td>reading</td>
<td>citizenship</td>
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<td>mathematics</td>
<td>global concerns</td>
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<tr>
<td>X critical thinking</td>
<td>X information resources</td>
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### III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed): For each identified outcome checked, please provide the specific assessment measure.

<table>
<thead>
<tr>
<th>List identified College Learning Outcomes(s)</th>
<th>Specific assessment measure(s)</th>
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<tbody>
<tr>
<td>Oral communication</td>
<td>In the field, students must demonstrate effective communication with their team while assessing a site and describing the potential dangers in a fire situation.</td>
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<tr>
<td>Critical Thinking</td>
<td>The class will visit several sites where students will assess existing dangers such as construction materials, vegetation near a home, fuels, etc. that could impact a structural fire situation. They will also determine access points for fire-fighting equipment and defensible space. On a written exam, students will apply their knowledge to a scenario explaining how to deploy personnel and equipment safely to protect a structure during a wildland fire.</td>
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<tr>
<td>Information Resources</td>
<td>Written scenarios on exams and field exercises will require students to utilize both the Incident Response Pocket Guide and Fireline Handbook to solve potential problems which can occur on the fireline and with structural fires.</td>
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### IV. Instructional Materials and Methods

#### Types of Course Materials:
Manual, field scenario

Methods of Instruction (e.g. Lecture, Lab, Seminar ...):

Lecture, group discussion, video, field scenario

V. General Outline of Topics Covered:

1. Interface awareness, size-up, initial strategy and incident action plan
2. Structure triage
3. Structure protection tactics
4. Incident action plan assessment and update
5. Follow-up and public relations
6. Firefighter safety in the interface