ENR 3335.02—WILDLAND FIRE MANAGEMENT LABORATORY  
Course Syllabus  
Fall Semester 2016

Objectives  The student will learn basic firefighting skills through hands-on demonstrations, visual demonstrations, and other media such as videos. This includes safety, communication, and organization of crews, the proper use of various tools and apparatus, and methodologies. This course will meet the requirements and standards prescribed for the S-130 course (Wildland Firefighter Training) developed under the interagency curriculum established and coordinated by the National Wildfire Coordinating Group. Students who successfully complete this course will be qualified to suppress wildland fires while under close supervision.

Credit Hours  1 U

Pre-requisites: None

Instructors  Dr. Roger A. Williams  
Associate Professor, Forest Management and Fire Science  
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Mike Bowden  
Instructor  
Phone: 614-313-3006  
Email: mbowden66@sbcglobal.net

Teaching Assistant  Sarah Rose  
Office hours: Monday 5 – 6pm  
Rose.891@osu.edu  
Kottman Hall Room 385

Meeting Time/Place  Wednesday, 6:30pm—9:45pm; Kottman Hall 333

Textbooks  Course material will be provided by instructors. Reading assignments may be given during the course.

Course Evaluation  
<table>
<thead>
<tr>
<th>Course And Grading</th>
<th>Quizzes—</th>
<th>50%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exam—</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>Total—</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

Grading Scale:

<table>
<thead>
<tr>
<th>Numeric Grade</th>
<th>Letter Grade</th>
<th>Numeric Grade</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-93</td>
<td>A</td>
<td>79-77</td>
<td>C +</td>
</tr>
<tr>
<td>92-90</td>
<td>A -</td>
<td>76-73</td>
<td>C</td>
</tr>
<tr>
<td>89-87</td>
<td>B +</td>
<td>72-70</td>
<td>C -</td>
</tr>
<tr>
<td>86-83</td>
<td>B</td>
<td>69-67</td>
<td>D +</td>
</tr>
<tr>
<td>82-80</td>
<td>B -</td>
<td>66-60</td>
<td>D</td>
</tr>
<tr>
<td>80-70</td>
<td>B -</td>
<td>59-0</td>
<td>E</td>
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A quiz will be given at the beginning of each class period, except when the exam is given. Each quiz will cover only topics covered in the previous lecture.
### Academic Misconduct
The following offenses will result in charges of academic misconduct with the appropriate action taken in response:

1. The submission of plagiarized work to meet academic requirements including the representation of another's works or ideas as one's own; the unacknowledged work for use and/or the paraphrasing of another's work; the inappropriate unacknowledged use of another person's ideas; or the falsification, fabrication, or dishonesty in reporting results of any research or findings.

2. Any form of cheating on exams or other class work.

### Disabilities Statement
Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs so that necessary arrangements can be made. This syllabus and course materials are available in alternative formats upon request. Also, you may contact the Office for Disability Services at 614-292-3307 in room 098 Baker Hall, 113 W. 12th Ave. to coordinate reasonable accommodations. The website for the Office for Disability Services is- [http://ods.osu.edu](http://ods.osu.edu)

### COURSE OUTLINE

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
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<tbody>
<tr>
<td>Aug. 24</td>
<td>Introduction to Course</td>
</tr>
<tr>
<td>Sept. 31</td>
<td>Introduction, Terminology, and Preparedness</td>
</tr>
<tr>
<td>Sept. 7</td>
<td>ICS, Types of Resources</td>
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<tr>
<td>Sept. 14</td>
<td>Water</td>
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<tr>
<td>Sept. 21</td>
<td>Risk Management: Watchouts, Fire Orders, LCES, Fire Shelters</td>
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<tr>
<td>Sept. 28</td>
<td>Transportation Safety, Handtools, Suppression Techniques</td>
</tr>
<tr>
<td>Oct. 5</td>
<td>Firing Devices, Wildland-Urban Interface, Haz-Mat Situations, Yarnell Hill Fire (case study)</td>
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<td>Oct. 12</td>
<td>Mop-up Procedures</td>
</tr>
<tr>
<td>Oct. 19</td>
<td>Risk Management: The Human Factor</td>
</tr>
<tr>
<td>Oct. 22</td>
<td>Saturday Field Day</td>
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<tr>
<td>Oct. 26</td>
<td>Map and Compass Reading</td>
</tr>
<tr>
<td>Nov. 2</td>
<td>EXAM (Federal S-130 Exam)</td>
</tr>
<tr>
<td>Nov. 9</td>
<td>FITNESS TEST</td>
</tr>
<tr>
<td>Nov. 16</td>
<td>Alt. Date for FITNESS TEST if necessary (otherwise no class)</td>
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<tr>
<td>Nov. 23</td>
<td>NO CLASS (Thanksgiving Holiday)</td>
</tr>
<tr>
<td>Nov. 30</td>
<td>Alt. Date for FITNESS TEST if necessary (otherwise no class)</td>
</tr>
<tr>
<td>Dec. 7</td>
<td>Alt. Date for FITNESS TEST if necessary (otherwise no class)</td>
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**PLEASE NOTE:**

1. **An all day Saturday Field Day** is required (note the outline above). Topics covered include: Hand tool use; fire line construction; hose lays and water use; water pump use; use of ignition devices; fire shelter deployment. A prescribed burn will be conducted in the afternoon, weather permitting.

2. **Passing the fitness test** is required to become red card certified. It is NOT required to pass the fitness test to pass the course. The fitness test is walking 3 miles in 45 minutes carrying 45 lbs. Each student will need to provide their own backpack and 45 lb weight.