

# FORESTRY 224 SYLLABUS

Fall 2020

**CLASS LOCATION:** Virtual classroom [using Zoom]

**TIME:** 7:00 – 9:00+, Thursday evenings: Ending time will vary depending on the topic, some will end after 9:00 pm.

**INSTRUCTORS:** Kent Glazer (Lead): 715-321-2559, [kglazer@uwsp.edu](mailto:kglazer@uwsp.edu) + UWSP Fire Crew Officers & Members

**COURSE** Professor: **Dr. James Cook (242 TNR);** [jcook@uwsp.edu](mailto:jcook@uwsp.edu)

**ADMINISTRATION:** Crew Secretary: **Shaun Kelliher (361A TNR),** CNR: 715-346-2897: e-mail – [skell433@uwsp.edu](mailto:skell433@uwsp.edu)

## COURSE STRUCTURE:

The course consists of weekly lectures and 2 field days (HOTS 1,2 and OTS). **All field days are MANDATORY and attendance will be taken. They will be as follows:**

- **HOTS: Saturday 10/10/2020 (Group 1 8am-Noon, Group 2 1pm-5pm), Training Site**  
**Group 1 return by 12:30; Group 2 return by 5:30**

**OTS: Saturday 10/17/2020 (Group 1 all day 7:45am-4:30pm) Training Site**

**OTS: Saturday 10/24/2020 (Group 2 all day 7:45am-4:30pm) Training Site**

We will meet at the west end of CNR (TNR) and travel by bus to the training site. You should be back to campus by 5:00pm.

**For this training, you are required to bring and wear cotton pants/jeans, leather boots, safety glasses & leather gloves. Hard Hats will be provided.**

The course content meets National Wildfire Coordinating Group (NWCG) standards for basic wildland firefighting (Firefighter Type 2 or FFT2). If you successfully pass all four modules of this course, you will receive a certificate to document that you have met the training requirements for wildland firefighters. **This certificate is your only proof of having completed this training. Protect this certificate, make backup copies and be ready to supply copies to employers.** Replacement certificates take considerable time and effort to produce. Physical fitness tests are not mandatory for the class, but are required to participate as a member of the UWSP Fire Crew or fight fires and conduct prescribed burns with various government agencies.

## CURRICULUM:

This course consists of four training modules known as; S-190, Introduction to Wildland Fire Behavior; S-130, Firefighter Training; L-180, Human Factors in the Wildland Fire Service; and I-100, Introduction to Incident Command System (ICS). I-100 course work and exam are administered on-line by the Federal Emergency Management Agency (FEMA) and NWCG. **Students will be required to complete the I-100, self-study module outside of class, on-line and turn in two (2) copies of their certificate of completion by September 17<sup>th</sup>.** Because I-100 is a pre-requisite for S-190 and S-130, the I-100 must be completed soon after the start of classes in September. **To find the on-line course search FEMA I-100 on the web and click on the course.** Students are asked to be flexible in their time commitments to this course so that training materials can be covered in the allocated class periods. The units covering fire weather and risk management may run until 9:30 pm on those nights. **The L-180 module is a 3+ hour course and will be presented in one night on December 2nd. Class will run past 10 pm that night.** Class period breaks will be determined by the instructor. The times listed in parentheses under the dates are the approximate ending times from previous year's classes.

## GRADING:

There are two facets and standards for grading, that required by NWCG and those required by UWSP. The federal requirement is based on the four NWCG modules, and is pass-fail only with minimum scores listed below. UWSP course grades will be assigned on the typical 90/80/70/60 basis from exam scores. It is possible to pass an exam (because a "D" is passing), yet fail to meet the minimum NWCG standards shown below. S-190 is presented first and its exam is at the beginning of the fourth class period. S-130 will follow S190. The S-130 module final exam is broken into three parts, "Fire Operations," "Firefighter Safety," and the comprehensive "Final Exam." All exams are administered during the regular class times listed on the syllabus. Make-ups will be given only if you have a valid excuse and will be handled on a one-on-one basis by Dr. Cook. Course grades will be determined as follows:

Material Covered	NWCG Minimum Passing Score	UWSP Class Grade Value	Date
I-100 Proof of Completion	75%	5%	9/17
S-190 Final Exam	70%	35%	9/24
HOTS 1 and 2	Mandatory Attendance	10%	10/10
OTS	Mandatory Attendance	10%	10/17 or 10/24
Safety Exam	70%	15%	11/19
L-180: Human Factors	Mandatory Attendance	N/A	12/3
S-130 Final Exam	70%	25%	12/10 @ 8:55 pm

Or 12/17 @ 7:15 pm

## SCHEDULE & TOPICS COVERED – 2020

DATE	TOPIC	MEDIA	
9-3 (9:15 pm)	I-100 S-190	<b>(Introduction to FEMA Training)</b> Class and Course Introduction Basic Wildfire Concepts, Fuels	<b>Handout</b> PowerPoint (PPT), "6 Minutes for Safety" Introduction. <b><i>(Instructors: Kent Glazer)</i></b>
9-10 <b>*LATE*</b> (9:15pm)	S-190	Fire Weather, Topography	PowerPoint (PPT), Current Weather Forecasts for the day <b><i>(Instructors: Kent Glazer)</i></b>
9-17 (9:10pm)	S-190  S-130 Unit 4	Wildland Fire Behavior & Safety Intro to IRPG & Risk Management <b>(I-100 ICS Certificates Due)</b>	PPT: <b>S-130 Workbook</b> <b>IRPG Exercise</b> , Powerpoint  <b><i>(Instructors: Kent Glazer)</i></b>
9-24 <b>*LATE*</b> (9:15 pm)	S-130 Unit 1, 10B & 16	<b>EXAM: S190 Final</b> FF Preparedness, Health & Fitness, Radio Communications, (Maps)	PPT (3): Full PPE, Line Gear, Packs Radios (UWSP Radios) Chest Harness, <b>Plat book, Gazetteer.</b> <b><i>(Instructors: Kent Glazer)</i></b>
10-1 (8:55 pm)	S-130 9	Size-up, Initial Attack, In-The-Black Tactics, Aircraft Tactics	PPT (1): Combi-tool, Pulaski, Gloves <b><i>(Instructors: Kent Glazer)</i></b>
10-8	10A & 11	Patrol, Secure, Mop-up, Peat Fires	PPTs (5), Hand tool (Combi & Pulaski) <b>Cards,</b> <b>Stickers, Handouts</b> <b><i>(Instructors: Kent Glazer)</i></b>
10-10 8am-12  1pm-5pm	6, 7 & 4C 20 squads 10 stations  15 & 8 20 squads 10 stations	Handtools, Firing Devices, Bladder bags, Fire Shelter Intro Hands-on, Round-Robin Stations <b>[HOTS1]</b> and Pumps, Small Engines, Hoselays & Water Handling Demo/Round-Robin Stations <b>[HOTS2]</b>	Cache Trailer, Full PPE, Flagging (3), Pulaski, Combi- tool, Drip Torch, Fusees, Chainsaw, Bladder Bags, Backcans (Instructors: Kent Glazer/UWSP Fire Crew)  PPT, <b>Cache Trailer</b> Pumps, Hose, Appliances, Backcans. <b><i>(Instructors: Kent Glazer/UWSP Fire Crew)</i></b>
Group 1 10-17 Group 2 10-24	12	<b>OTS - Field Day - ALL DAY -</b> <b>*Mandatory Attendance*</b>	Use of hand tools, backcans, & techniques DRESS APPROPRIATELY!! <b><i>For this training, you are</i></b> <b><i>required to bring and wear cotton pants/jeans,</i></b> <b><i>leather boots, safety glasses &amp; leather gloves.</i></b>  <b><i>(Instructors: Kent Glazer/UWSP Fire Crew)</i></b>
10-29	4A	<b>EXAM: Fire Operations</b> 18 Watchout Situations 10 Standard Orders	PPTs (3), Video, CD, Cards, Stickers, <b>Handouts</b>  <b><i>(Instructors: Kent Glazer)</i></b>
11-5	4B, 4C?	LCES, (Fire Orders &/or M.I.S.T. Video) Fire Shelter Training Video?	PPT, Fire Shelter Safety Video? <b><i>(Instructors: Kent Glazer)</i></b>
11-12	14	Wildland Urban Interface (WUI)	2 Videos, PPT, <b>Firewise Handouts</b> , Jack Cohen & Safety in the Interface Videos <b><i>(Instructors: Kent Glazer)</i></b>
11-19 <b>*Late*</b>	5 & 13 4C?	<b>EXAM: Firefighter Safety</b> Transportation Safety, Hazardous Materials Awareness Fire Shelter Training Video?	PPT, Video Emergency Response Guidebooks Fire Shelter Video? <b><i>(Instructors: Kent Glazer)</i></b>
12-3 6pm Start <b>*Late*</b>	4D	L-180: Human Factors (3-4 Hrs) Hazards & Factors on the Fireline. <b>*Mandatory Attendance*</b>	PPT's, Video  <b><i>(Instructors: Kent Glazer)</i></b>
12-10 <b>*Late*</b>  (8:45pm) Exam: 8:55 to 9:45 pm	2, 3 & 18	Incident Command System (ICS), Cultural Resources, M.I.S.T. Tactics  <b>*EXAM: S-130 Final*</b> OR 7:15pm-9:15pm on 12/17	PPT's (2) Video  <b><i>(Instructors: Kent Glazer)</i></b>