

FORESTRY 224 SYLLABUS

Fall 2021

CLASS LOCATION: Trainer Natural Resource Center (TNR) 170

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 + UWSP Fire Crew Officers & Members

COURSE Professor: **Dr. Michael Demchik (246 TNR); 715-346-3214; Michael.demchick@uwsp.edu**

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

COURSE STRUCTURE:

The course consists of the following:

- 2 Lectures per week on Tuesday and Thursday evenings beginning Tuesday September 28, 2021 thru Thursday October 21, 2021. Lectures will start at 7pm and end at approximately 9pm.
- 3 full days of hands on training with some lecture will begin Friday, October 22nd and end on Sunday, October 24. **Attendance is MANDATORY and attendance will be taken.**

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). Successful completion of all four modules will qualify you to as a wildland firefighter at the basic level and you will be issued a certificate as proof of this. ***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, if available 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; 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 October 5th, 2021.*** 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. Some units may run until 9:30 pm. **The L-180 module is a 3+ hour course and will be presented on October 24th.** 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 fail the class from a UWSP perspective and still meet the minimum NWCG standards. 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 Task Book	70%	30%	9/24
HOTS 1 and 2, OTS	Mandatory Attendance	10%	10/22
OTS	Mandatory Attendance	15%	10/23
L-180: Human Factors	Mandatory Attendance	N/A	10/24
S-130 Task Book	70%	40%	10/24

SCHEDULE & TOPICS COVERED – 2021

DATE	TOPIC	MEDIA	
9-28 (9:15 pm)	I-100 S-190 Units 1, 2	(Introduction to FEMA Training) Class and Course Introduction Basic Concepts Fuels	PowerPoint (PPT) "6 Minutes for Safety" Introduction. <u>(Instructors: Kent Glazer)</u>
9-30 *LATE* (9:15pm)	S-190 Units 3, 4, 5	Temperature and Moisture, Topography, Atmospheric Stability	PowerPoint (PPT), Current Weather Forecasts for the day <u>(Instructors: Kent Glazer)</u>
10-5 (9:10pm)	S-190 Units 6, 7 S-130 Unit Intro.	Wildland Fire Behavior & Safety Critical Fire Weather, Alignment (I-100 ICS Certificates Due)	PPT: IRPG Exercise , Powerpoint <u>(Instructors: Kent Glazer)</u>
10-07 (9:15 pm)	S-130 Units 1, 2, 3	S190 Task Book Completion Briefings, Demands of Position, PPE	PPT <u>(Instructors: Kent Glazer)</u>
10-12 (8:55 pm)	S-130 Units 4, 5, 6	Resource Org., Risk Mgt., Case Study	PPT <u>(Instructors: Kent Glazer)</u>
10-14	S-130 Units 7, 8, 9	Suppression, Tools and Equipment, Handline Techniques	PPTs <u>(Instructors: Kent Glazer)</u>
10-19	S-130 Units 10, 11, 12	Water Use, Firing Devices, Mop-Up	PPTs <u>(Instructors: Kent Glazer)</u>
10-21	S-130 Units 13, 14, 15	WUI, Environmental Hazards, Radio Communications	PPTs <u>(Instructors: Kent Glazer)</u>

Friday 10/22: 08:00-11:15 – College of Fine Arts and Communication Building - CAC Room 333.

8:00 - 11:15 S-130 Units 16 – Fire Shelter and Mapping **(Instructors: Kent Glazer)**
SHORT BREAKS: (As determined by instructors)
 11:15 - 12:15 Lunch - **12:15pm Bus Departs from TNR West Parking Lot to UWSP Water Lab, 1407 County Road R, Plover**
 13:00 – 17:30 Organize & Orient Students to HOTS (Organize by 4-person squads) **UWSP Students**

Hands-on Exercises: Handtools, Firing Devices, Map reading / Navigation Compass Orientation Weather kits/Orienteering & Radio Use, Pumps & Water Handling, Hose & Hose Packs, Simple & Progressive Hose Lays, Nozzles, Appliances, Single & Multi-stage Pump Orientation & Operations, Pack Cans / Bladder Bags

Saturday 10/23 8am-10:40am - Trainer Natural Resource (TNR) Center - Room 170

8:00 - 10:00 Unit 17 – Case Study **(Instructors: Kent Glazer)**

10:45am – 18:00 Depart West Parking Lot of Trainer Natural Resource (TNR) Building - UWSP Campus, Stevens Point, WI.
 Travel to UWSP Water Lab, 1407 County Road R, Plover

Crew Briefings & Introduction to the IAP **Crew Mentors/Leaders**
Kent Glazer, Tim Banaszak

****OUT TRAINING SESSION (OTS)**:** (Rotation #1 (50 minutes per station))

1. Portable Pumps & Hoselays
2. Vehicle Mounted Pump Operations
3. Mop-up, Handtools & Backpack Pumps,
4. Gridding & Patrol
5. Truck Equipment Safety Orientation
6. Line Construction & Burning out the Line

LUNCH on site after rotation #1: BRING YOUR OWN

Sunday, 10/24 TNR Room 170 Room 101 Collins Classroom Center (CCC); UWSP Campus, Stevens Point, WI

08:00 – 0900 Complete Evaluation Task Sheets and Submit to instructor
 0900 – 12:15 L-180: Human Factors on the Fireline **Kent Glazer / Tim Banaszak**

12:15 - 13:15 **LUNCH (On your own)**
 13:15 – 14:00 L-180: Human Factors on the Fireline **Kent Glazer / Tim Banaszak**
 14:00 - 14:15 Orientation to Tactical Sand Tables and Indoor Field Exercises **UWSP Fire Crew**
Tim Banaszak

14:30 - 16:30 ****Indoor "Field" Incident**:** Organize by 4-person squads
 1. **Fire Shelter Deployment:** West Foyer **Fire Crew Officers**

2. **Tactical Sand Tables: Decision Making: (3) Room (TBD)** **Fire Crew Officers**
3. **Situational Field Assessment Exercise: (3) East Foyer** **Fire Crew Officers**

4. **Return Student Evaluation of Task Sheet and Award Certificates** **Kent Glazer**
 16:30 Incident Demobilization **Fire Crew Officers**