

**Forestry 336 Pesticides in Natural Resource Management  
Fall 2019**

**Instructors:**

Dr. Mike Demchik  
Office: CNR 246  
Telephone: 715-346-3214  
Email: michael.demchik@uwsp.edu

**Office Hours:**

1200-100 and 100-200 Tuesday

By appointment (You say when and I will try to be there)

and

Open door policy

If the door is open, knock and then walk in.

**Class Time and Location:** 2:00-2:50 Monday (TNR 464)

**Course Description:**

Pesticides are commonly used in natural resource management to control pests and create conditions favorable for preferred species to thrive and grow. However, these chemicals are dangerous and, when used inappropriately, are poisons. The purpose of this course is to introduce students to the types of chemicals, their modes of action, methods of application, calibration techniques and the laws that regulate the use of pesticides commonly used in natural resources management in the Lake States region, and alternatives methods of control. Additionally, the course content is partial preparation to take the WI DATCP exam required to obtain a Wisconsin Commercial Pesticide Applicator's License.

**Certification Exam:**

I will need to know which of the exam categories that you want to test for by September 18<sup>th</sup>.

We can test on the following categories:

- 2.0 Forestry
- 3.0 Turf and landscape
- 6.0 Right-of-way and natural area

**Text:**

Tomasko, Steve; Glenn Nice; John DuPlissis and Kyoko Scanlon. *Training Manual for the Commercial Pesticide Applicator: Forestry*, 7th ed., January 2014. 264 pages. Board of Regents of the University of Wisconsin System. Madison, WI.

**Course Objectives**

1. Discuss basic weed, insect, and disease ecology.
2. Prescribe chemical and non-chemical methods of control.
3. Identify various modes of action, formulations, and methods of application.
4. Identify the parts of a pesticide label and the legal responsibilities of contracting and managing pesticide applications.

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**Class Lecture Schedule**

<b>Week</b>	<b>Topic</b>	
Sept 9	Introduction to Vegetation Management	(Read sections 2)
Sept 16	Herbicide modes of action and prescription	
Sept 23	Insecticide modes of action and prescription	
Sept 29	Fungicides (general) and practice prescriptions	
Oct 7	Pests (Applicator exam prep)	(Read section 1)
Oct 14	Exam on modes of action	
Oct 21	Class canceled (For 432 Marking Camp)	
Oct 28	Health precautions (Applicator exam prep)	(Read section 4)
Nov 4	Handling pesticides and emergencies	(Read sections 5 and 6)
Nov 11	Application	(Read section 7)
Nov 18	Keeping them on target	(Read section 8)
Nov 25	Practice for Certification Exam	
Dec 2	Certification exam (for those that want to---others, this is a day off)	
Dec 9	Review, Evaluations etc.	
Dec 18	Final Exam 2:45PM - 4:45PM	

**Grading**

Exams 50% each

Letter Grade Definitions

92.50-100.00 A  
89.50- 92.49 A-  
86.50- 89.49 B+  
etc.

**Class attendance policy:**

The instructor's policies regarding class attendance are in accordance with UWSP policies as detailed within the undergraduate catalog. For this class specifically, why take the class if you do want to learn the content, so attend. With that said, attendance is up to you, except on exam days.

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