



North Central State College

**MASTER SYLLABUS**

**2025-2026**

- A. Academic Division: Health Sciences
- B. Discipline: Bioscience Technology
- C. Course Number and Title: BIOS2590 Practicum/Seminar
- D. Assistant Dean: Heidi Kreglow, PT
- E. Credit Hours: 2
  - Lecture: 1 hour
  - Practicum: 7 hours
- F. Prerequisite: BIOS2410  
Co-requisite(s): BIOS2530c
- G. Last Course/Curriculum Revision Date: Fall 2023    Origin date:    03/07/2011
- H. Textbook(s) Title: None
- I. Workbook(s) and/or Lab Manual: None
- J. Course Description: This course is designed to provide the student with hands-on experience within the bioscience field. This course involves placement of the student in an actual work environment that will integrate the student's knowledge and laboratory skills acquired within the core coursework of the Bioscience program. The student will complete 105 hours of practicum experience at the placement site for 12 weeks. This work experience provides the foundation for developing the student into a competent bioscience laboratory technician. As part of this course the student will return to campus and attend a seminar offered concurrently with the practicum learning. The purpose of the seminar is to critique the experiences of the student in the facility. Specifically, the seminar will focus on professionalism, understanding of the work setting, and the acquisition of knowledge and skills related to obtaining a position as a bio-technician.
- K. College-Wide Learning Outcomes

<b>College-Wide Learning Outcomes</b>	<b>Assessments -- How it is met &amp; When it is met</b>
Communication – Written	
Communication – Speech	Oral presentation, weeks 13-15 Communication Speech VALUE Rubric
Intercultural Knowledge and Competence	Intercultural Knowledge & Competence VALUE Rubric
Critical Thinking	
Information Literacy	
Quantitative Literacy	

L. Course Outcomes and Assessment Methods:

Upon successful completion of this course, the student shall:

Outcomes	Assessments – How it is met & When it is met
1. Demonstrate proper communication skills when interacting with a variety of individuals in the employment setting.	Practicum evaluation week 6 and 12
2. Produce documentation consistent with facility guidelines	Practicum evaluation week 6 and 12
3. Demonstrate safety awareness in the clinical setting.	Practicum evaluation week 6 and 12
4. Demonstrate entry level data collection	Practicum evaluation week 6 and 12
5. Demonstrate entry level technical skills.	Practicum evaluation week 6 and 12
6. Assist with quality of service delivery activities.	Practicum evaluation week 6 and 12
7. Participate in fiscal management of the facility setting.	Practicum evaluation week 6 and 12
8. Describe the scientific method process.	Final written assignment, Weeks 13-15, final examination
9. Demonstrate logical reasoning skills using current information and past experiences.	Final written assignment, Weeks 13-15, final examination
10. Assess basic sources of information and how to evaluate & use this information to produce a credible research document.	Final written assignment, Weeks 13-15, final examination
11. Describe how biotechnology is used in today's market; understand therapeutic effects and emerging aspects of biotechnology.	Final written assignment, Weeks 13-15, final examination

M. Recommended Grading Scale:

NUMERIC	GRADE	POINTS	DEFINITION
93–100	A	4.00	Superior
90–92	A-	3.67	Superior
87–89	B+	3.33	Above Average
83–86	B	3.00	Above Average
80–82	B-	2.67	Above Average
77–79	C+	2.33	Average
73–76	C	2.00	Average
70–72	C-	1.67	Below Average
67–69	D+	1.33	Below Average
63–66	D	1.00	Below Average
60–62	D-	0.67	Poor
00–59	F	0.00	Failure

N. College Procedures/Policies:

North Central State College believes that every student is a valued and equal member of the community.\* Every student brings different experiences to the College, and all are important in enriching academic life and developing greater understanding and appreciation of one another. Therefore, NC State College creates an inclusive culture in which students feel comfortable sharing their experiences.

Discrimination and prejudice have no place on the campus, and the College takes any complaint in this regard seriously. Students encountering aspects of the instruction that result in barriers to their sense of being included and respected should contact the instructor, assistant dean, or dean without fear of reprisal.

\* *Inclusive of race, color, religion, gender, gender identity or expression, national origin (ancestry), military status (past, present or future), disability, age (40 years or older), status as a parent during pregnancy and immediately after the birth of a child, status as a parent of a young child, status as a foster parent, genetic information, or sexual orientation*

**Important information regarding College Procedures and Policies can be found on the syllabus supplement located at**

<https://ncstatecollege.edu/documents/President/PoliciesProcedures/PolicyManual/Final%20PDFs/14-081b.pdf>



North Central State College  
SYLLABUS ADDENDUM

Academic Division:	Health Sciences	Discipline:	Bioscience
Course Coordinator:	Dr. Tony Miller		
Course Number:	BIOS 2550 01	Course Title:	Practicum & Seminar
Semester / Session:	Spring 2026	Start / End Date:	1/12/2026-5/8/2026

#### Instructor Information

Name:	Tony Miller	Credentials:	PhD, Ecology & Evolutionary Biology
Phone Number:	419-755-4548	E-Mail Address:	jmiller2@ncstatecollege.edu
Office Location:	HS-330	Office Hours:	M & W: 8:30-9AM; M: 11:45AM-12:15PM W: 10:55-11:25AM; TH: 8:30-11:30AM

#### I. Topical Timeline (Subject to Change):

Weeks	Lecture Topic	Week of:
1	Syllabus Discussion	1/12/26
2	No Class	1/19/26
3	<b>Reflection 1 Due 1/30/26</b>	<b>1/26/26</b>
4	No Class	2/2/26
5	No Class	2/9/26
6	<b>Reflection II Due 2/20/26</b>	<b>2/16/26</b>
7	No Class	2/23/26
8	<b>Midterm Evaluations</b>	<b>3/2/26</b>
	<b>Spring Break (no classes)</b>	<b>3/9/26</b>
9	No Class	3/16/26
10	No Class	3/23/26
11	<b>Reflection III Due 4/3/26</b>	<b>3/30/26</b>
12	No Class	4/6/26
13	No Class	4/13/26
14	No Class	4/20/26
15	<b>Final Evaluations</b>	<b>4/27/26</b>
16	No Class	5/4/26

#### II. Course Assignments:

1. Practicum Hours
2. Evaluations
3. Reflections

#### III. Grading and Testing Guidelines:

Please refer to the Master Syllabus for the NCSC grading scale.

#### IV. Examination Policy:

1. There are no exams for this class.

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**V. Class Attendance and Homework Make-Up Policy:**

1. Class attendance is necessary to acquire the knowledge required to be successful in the bioscience and biotechnology fields. Absences will be excused with prior communication with the instructor, except in cases of emergencies where the student cannot communicate.
2. Students are responsible for contacting the instructor as soon as possible upon learning they will be absent from class.

**VI. Classroom Expectations:**

1. Be respectful at all times.
2. Plagiarism and cheating will not be tolerated.
  - a. If you are found to be plagiarizing or cheating, you will automatically receive a zero for that assignment.
  - b. The instructor reserves the right to escalate offenses of cheating or plagiarism to the dean or appropriate administrator.
    - Offenses could result in dismissal from the college. Be mindful and ask for help if you are unsure if you are plagiarizing or cheating.
3. Communicate regularly with your instructor.
  - a. Your instructor is a resource to you. Attend office hours, email your instructor with questions, and participate in class.
  - b. Your success in this course will be determined by your level of participation. Life happens. If things are getting in the way of your participation, please inform your instructor so appropriate accommodations can be made.