



North Central State College
MASTER SYLLABUS
2020-2021

- A. Academic Division: Health Sciences
- B. Discipline: Bioscience Technology
- C. Course Number and Title: BIOS2590 Practicum/Seminar
- D. Course Coordinator: Jason Tucker, M.S.
Assistant Dean: Melinda Roepke, MSN, RN

Instructor Information:

- Name: [Click here to enter text.](#)
- Office Location: [Click here to enter text.](#)
- Office Hours: [Click here to enter text.](#)
- Phone Number: [Click here to enter text.](#)
- E-Mail Address [Click here to enter text.](#)

- E. Credit Hours: 2
Lecture: 1 hour
Practicum: 7 hours

- F. Prerequisite: BIOS2410
Co-requisite(s): BIOS2530c

- G. Syllabus Effective Date: Fall, 2020

- 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

College-Wide Learning Outcomes	Assessments - - How it is met & When it is met
Communication – Written	
Communication – Speech	Oral presentation, weeks 13-15 Communication Speech VALUE Rubric
Intercultural Knowledge and Competence	Intercultural Knowledge & Competence VALUE Rubric

College-Wide Learning Outcomes	Assessments - - How it is met & When it is met
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. Topical Timeline (Subject to Change):

1. Practicum Learning with Practicum Instructor (Weeks 1-3)
 - a. Orientation to Facility and Staff
 - b. Orientation to Safety Codes and Procedures
 - c. Supervised Interventions
2. Site Visit by Academic Coordinator of Practicum Learning (Weeks 5-6 and 10-12)
 - a. Interview with Practicum Instructor
 - b. Interview with Student
 - c. Joint Summation
3. Scientific Method
 - a. Critical and analytical thinking
 - b. Logical reasoning
 - c. Sources of information
 - d. Evaluating information
 - e. Biotechnology production
 - f. Therapeutic effects
 - g. Emerging biotechnology

N. Course Assignments:

1. The course consists of working in a Bioscience department providing technical support with supervision by a Practicum Instructor
2. Practicum Assessment evaluation week 6 and week 12

3. Oral presentation
4. Group presentation
5. Required attendance of presentations
6. Written research assignment
7. Final Exam

O. 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

P. Grading and Testing Guidelines:

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Q. Examination Policy:

Click here to enter text.

R. Class Attendance and Homework Make-Up Policy:

Click here to enter text.

S. Classroom Expectations:

Click here to enter text.

T. College Procedures/Policies:

Important information regarding College Procedures and Policies can be found on the [syllabus supplement](#) located at

<http://catalog.ncstatecollege.edu/mime/download.pdf?catoid=5&ftype=2&foid=3>