



MIAMI VALLEY  
**TECHPREP**  
CONSORTIUM

Ohio College **Tech Prep**  
Building Quality Career Pathways

WEST REGION

## Biotechnology & Medical Bioscience Tech Prep Summit

**Date: Friday, March 2, 2018 Time: noon to 3:00PM Location: Building 6, Room 142**

Attendees: Jess Moore (MVTPC), Josiah Wahlrab (MVTPC), Tim Bryant (Sinclair), Megan O'Toole (Sinclair), Charla Cornwell (WCCC), Susan Luken (Sinclair), Mike Erbe (Sinclair), Marc Cary (Centerville), Mandy VanDyke (KFHS), Joshua Roark (Ponitz), Toni Welles (WCCC), Becky Goodwin (WCCC)

1. **Welcome/Introductions**
2. **MVTPC update/intro to new pathway manager – Jess Moore and Megan O'Toole, Pathway Managers, MVTP**
3. **What is Tech Prep?**
  - a. **Benefits**
    1. **Sinclair/Tech Prep Scholarship – see attached PPT**
    2. **College Credit – see attached PPT**
    3. Buy One, Get One (BOGO) summer courses at Sinclair –This year the BOGO offer is for both 2018 Tech Prep grads and 2017 Tech Prep grads. Details about the BOGO offer may be found here:  
<http://www.mvtechprep.org/index.cfm/gallery/bogo-2017>
    4. **Roles and relationships –see attached PPT**
    5. **Onsite advising** – Sinclair student services offices will work with partner schools that have students interested in attending Sinclair in the fall, though it will *mostly* involve intense advising with “next steps” so that students have more responsibility in their future (i.e., knowing what all it takes to register, pay, withdraw, etc.) Miami Valley CTC and Kettering Fairmont HS were participants this year. More than 400 students were advised and mapped.
4. **1110/1120 and BIO 1111/1117 department update –Course Liaison, Susan Luken**
  - a. BTN 1110 Introduction to Technology-Book Update! Fall 2018.
  - b. BTN 1110-Dropbox folder, Chapter activities added, Career Exploration project
  - c. BTN 1120-Lab Safety and Regulation-Dropbox folder, Lab and Chemical Safety, Industry regulation,  
<http://www.ncbionetwork.org/>, cGLP, cGMP and Fire Safety
  - d. BTN 1120-We have 2 Biotech Credentials-Bioscience Lab Skills Certificate, and Biotechnology A.A.S.
  - e. Two Locations, Mason and Dayton Campuses, Both have classes stacked two days a week.  
Internships encouraged.
  - f. BIO 1111/1117 General Biology, 12 chapters, Virtual labs, quizzes/tests for each chapter, chapter current event discussion.
5. **BIO 1107/1108 – Course Liaison, Mike Erbe**

Teachers not having any issues. Mike available for any questions.
6. **Data Capture/Tech Prep Portal – Josiah Wahlrab, Operations Specialist (MVTPC)**
  - a. **Tech Prep Portal -Instructional Video link will be available on our home page (mvtechprep.org).**
  - b. **For Credit Capture, need:**
    1. Permission from student to post (by 6/1)
    2. Seniors who are graduating
    3. Proficiency credit - only push forward A, B or C, no D's or F's
  - c. **Multiple Measures (alternative data sources for placement)** The new policy can be found on the MVTPC web site here: <http://www.mvtechprep.org/index.cfm/resources/college-readiness>. Josiah also shared some additional quick reference resources to help students determine what ENG and MAT courses they are eligible to take under the revised policy.
7. **End of the year info capture processes-Tim Bryant, Data Specialist (MVTPC)** How to complete credit capture forms – **Due June 1, 2018**

- a. **Articulated, proficiency and Project Lead the Way (PLTW) credit**-Supportive documentation necessary for some pathways. Student signature required for all credit. Schedule pick up/drop off or upload documents to TP portal, then provide originals later.
  - b. **Teacher demographic information updated for 2017-2018** – If teachers anticipate any changes to their contact information (email, telephone #, job title) for the next school year, please let Megan O’Toole know at [megan.otoole@sinclair.edu](mailto:megan.otoole@sinclair.edu) or 937-512-5161 know so she can notify the Tech Prep data team of any updates/changes.
  - c. **Non-Employee Account Request** – Any CTE teachers planning to offer eLearn proficiency options for their students must contact Tim Bryant [timothy.bryant@sinclair.edu](mailto:timothy.bryant@sinclair.edu)/937-512-2406 in the Tech Prep office for a non-employee network account form. If a teacher has already completed the form through the Tech Prep office, Tim is able to renew an account from one year to the next without the teacher completing the form again.
8. **College Transition**
- a. **Sinclair application** – Any students who completed the Sinclair Tech Prep application fall 2016 and plan to attend Sinclair summer of 2018 or fall of 2018 must reapply to Sinclair by following this link: <https://apply.sinclair.edu/standard.cfm>.
  - b. **Tech Prep Checklist**—this replaced the prior years’ tri-folds.
  - c. **Getting Ready for College** – The 2018 Getting Ready for College (GRFC) event took place on Thursday, February 15<sup>th</sup> from 5:30PM-7:30PM, and attendance this year was at an all-time high with an estimated 600 students/family members in attendance. Next year’s event is scheduled for Thursday, February 15, 2018.
  - d. **Scholarship packets** – Partner schools will receive their scholarship packets by dates requested to the MVTPC office. This typically happens in late April and continues through May. Need MM3 and CTE data to complete.
  - e. **Ordering Sinclair transcripts** – Students may order official Sinclair transcripts by following this link: <http://www.sinclair.edu/services/basics/registration-and-student-records/student-records/transcripts>.
  - f. **University Transfer opportunities** – Students who matriculate to Sinclair have many opportunities to continue on to complete bachelor’s degrees at four-year colleges and universities that have articulation/transfer agreements with Sinclair. Detailed information about these opportunities may be found here: <https://www.sinclair.edu/about/offices/provost/articulation-transfer>. For those students particularly interested in completing at Wright State or UD, there are additional web sites available detailing programs of study and special incentives for transfer students. The UD Sinclair Academy link may be found here: <https://www.udayton.edu/academy> and the Wright State Sinclair Double Degree link may be found here: <http://www.wright.edu/sinclair-double-degree>.
  - g. **Tech Prep Scholarship**- Just a reminder that Sinclair Tech Prep scholarship recipients may use their scholarship dollars to pursue *any* degree or certificate program at Sinclair. Students may take classes at any Sinclair location or online and use their scholarship award money.

2018  
Biology &  
Medical Bioscience  
Tech Prep Summit

**Please Sign In**



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# Megan O'Toole

## *Pathway Manager*

Health Sciences



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# What is Tech Prep?



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# Benefits

Career Discernment

Scholarship

Credentials/Credit

BOGO



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# Tech Prep Scholarship = **\$3,000**



- **Full Time Student**

(12 hrs. or higher)

\$750 per semester

- **3/4 Time Student**

(9-11 hrs.)

\$563 per semester



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# Proficiency Credit

An assessment process where a student earns letter grades through a test or series of tests and/or assignments administered in the classroom by Sinclair faculty or via online courses facilitated by CTE instructors. **Project Lead the Way (PLTW)** is another type of proficiency credit awarded to students in approved PLTW programs who earn an A or B in their coursework and a 6 or higher stanine score on the End-of-Course Assessment. **Please note: Only As, Bs, and Cs are transcribed with the student's authorization upon high school graduation. These credits impact the student's Sinclair GPA.**

Courses available to ALL program pathways			
May be taught by or in conjunction with other core/academic teachers			
Course		Course Name	Semester Hours
BIO	1107/1108	Human Biology with Lab	3
BIO	1111/1117	General Biology I with Lab	4

Proficiency Credits			
CJS	2205	Introduction to Criminal Investigation & Forensic Science	3
BIO	1107/1108	Human Biology (Human Body Systems - HBS) - <b>PLTW only</b>	3
BTN	1110	Biotechnology & Bioethics (Medical Intervention - MI) - <b>PLTW only</b>	3
<b>Please note: Credit for PLTW courses is processed via a PLTW form only.</b>			





# Articulated Award Credit

Articulated Award credit is captured on the senior transmittal forms where students earn an AA (articulated award) grade based upon the classroom teacher's assessment of progress. Certificate credit is collected through a separate process and AA (articulated award) credit is awarded for state or national certifications/ accreditations such as American Heart Association CPR, Ohio STNA, NCCER, etc. **These credits have no impact on the student's college GPA, and are typically not transferable to other colleges or universities.**

Articulated Credits			
ALH	1130	*Basic Life Support Training for Healthcare Provider	1
ALH	1132	*Heartsaver First Aid, CPR & AED	1
<sup>†</sup> BTN	1110	Biotechnology & Bioethics	3
<sup>†</sup> BTN	1120	Laboratory Safety & Regulatory Compliance	2
<sup>†</sup> Non-PLTW Tech Prep teachers may also elect to have students complete proficiency tests with Sinclair Biology instructor Susan Luken for BTN credit.			



# CTAG Credit

In 2005, with the passage of House Bill 66, Ohio expanded articulation and transfer efforts by providing students in career-technical institutions with a guarantee of credit transfer from high school to college in approved programs.

**In order for students to receive CTAG credit the high school program must undergo an approval process.**

## CTAG Sinclair Alignments

**J0 Medical Bioscience, JM Allied Health & Nursing, J7 Health Information Management,  
J6 Exercise Science & Sports Medicine**

CTE Pathway	Pathway Code	ODE Course #	ODE Course Name	Sinclair Course	Sinclair Course Name	Semester Hours
All Health Science Pathways	J0, JM, J7, J6	072150	Medical Terminology	HIM 1101	Medical Terminology	2



# TECH PREP STUDENTS



BUY ONE

**BOGO**

GET ONE



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COLLEGE

# Onsite Advising

1. Kettering Fairmont HS  
March 5 - 9  
115 students
2. Miami Valley CTC  
Feb 16 – March 1  
296 students



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# Roles and Relationships

- High School Instructors/Administration
  - Recruit Students (All)
  - Advise Students (School Counselor)
  - Deliver Content (Instructor)
  - Inform on Resources/Benefits
  - Course Approval/Compliance
- Sinclair Faculty
  - Curriculum
  - Visit Days
- Pathway Manager
  - Liaison



**Josiah Wahlrab**  
*Operations Specialist*

**Tim Bryant**  
*Data Technician*



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# College Transition



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**YOU'RE INVITED!**



# TECHPREP

## GETTING READY FOR COLLEGE

Thursday, February 15, 2018 | 5:30 p.m. - 7:30 p.m. | Sinclair College, Building 12



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# University Partnerships



UD / SINCLAIR ACADEMY

## UD SINCLAIR ACADEMY



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- Sinclair/Tech Prep Checklist

- Ordering Transcripts

<http://www.sinclair.edu/services/basics/registration-and-student-records/student-records/transcripts/>

- Scholarship Packet

- Letter and certificate recognizing scholarship recipient
- Jammie Schneider will contact schools to schedule delivery



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# Questions for Tech Prep Staff?



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# Biotechnology Update

Spring Semester 2018

# Book update! Coming Fall 2018

BTN 1110  
Introduction  
to  
Biotechnology



# BTN 1110: Introduction to Biotech & Bioethics

- Dropbox folder
- Chapter activities added
- Career exploration project.



# BTN 1120: Lab Safety & Regulation

- Dropbox folder
- Lab & Chemical Safety
- Industry Regulation
  - <http://www.ncbionetwork.org/>
- cGLP, cGMP & Fire Safety



# Reminder: We now have 2 biotech credentials!

## Bioscience Lab Skills Certificate

- 1 year program
- Stackable into the 2 year A.A.S. degree

## Biotechnology A.A.S.

- Full 2 year program
- 2+2 agreement with Wilmington College





# Bioscience Lab Skills

BTN	1110	Introduction to Biotechnology and Bioethics	3
BTN	1120	Laboratory Safety and Regulation	2
CHE	1111/1151 or 1211/1251	Introduction to Chemistry 1 or General Chemistry 1	4-5
MAT	1470	College Algebra	4
Bio	1107/1108	Human Anatomy and Physiology	3
BIO	1111/1117 or 1171	General Biology 1 or Principles of Biology 1	4-5
BTN	1130/1131	Biological Reagents Preparation	3
COM	2206 or 2205 or 2211	Interpersonal Com or Small Group Com Or Effective Public Speaking	3
BTN	1201	Biotechnology Careers	2
BIS	1120	Intro to Software Applications	3

# Two Locations!!

**Dayton Campus**

**Traditional Daytime Class Hours**



**Mason Campus**

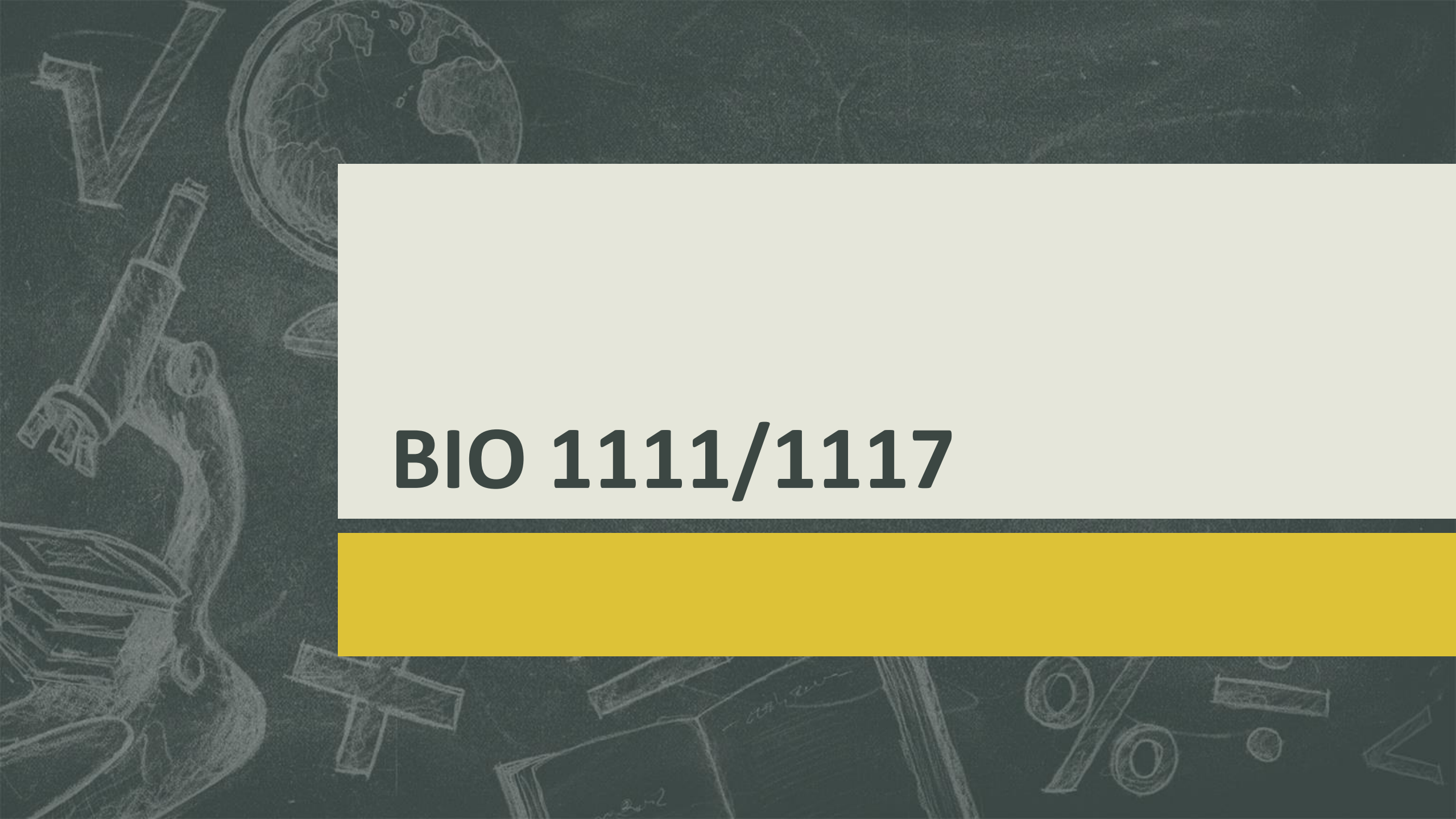
**Evening hours**



**Both**

**Classes stacked 2 days a week**

**Internships encouraged**

The background is a dark grey, chalkboard-like surface with various white line drawings. On the left, there is a detailed sketch of a microscope. Above it is a globe of the Earth. Below the microscope are sketches of a stack of books, a cross, and a book with some illegible text. On the right side, there are sketches of a percentage sign, an exclamation point, and a less-than sign. A large white rectangular area is positioned in the upper middle, and a solid yellow horizontal bar is at the bottom.

# BIO 1111/1117

# BIO 1111/1117: General Biology 1

- 12 Chapters
- Virtual labs
- Quizzes/Tests for each chapter
- Chapter Current Event Discussion

