UNLV | SCHOOL OF PUBLIC HEALTH

# EOH 730: Overview of the Healthcare Infection Prevention Program Course Syllabus

## Instructor Information

**Instructor:**
**Email:**

**Office Hours:** By Appointment
**Phone:** Please contact the SPH administrative for contact information.

**Course Specifics:**
Meeting Time: **Online, Asynchronous**

## Course Information

**Course Description:** ***From UNLV Catalog:*** Provides an overview to the critical elements and functions of a healthcare facility infection prevention programs as required by the multiple of regulatory agencies. Also serves as a guide and review for the Certification in Infection Control examination.

### Online Course Narrative:

Students will examine and review to the critical elements and functions of healthcare facilities' infection prevention programs as required by the multiple of regulatory agencies. It discusses basic microbiology of Hospital Acquired infections, various processes, and programs in the hospital. Also serves as a guide and review for the Certification in Infection Control examination. This will be done in the context of the requirements established by the Centers for Medicare Services (CMS). 3 credits

*NOTE:* This class is completely "on-line" class and there is no classroom assigned. This course is taught via Webcampus in an online education format. It is the responsibility of the students to log into Webcampus on a regular basis to obtain course information; view emails from the instructor, complete class assignments and engage in online discussions. All communication for this course should occur in Webcampus. You may be assigned papers, on-line materials, or book chapters to read to supplement the instruction. This material can be included on the examinations. Reading assignments will be posted in Webcampus. The lecture topics and reading assignments schedule is subject to change. Any changes to this schedule will be announced on-line and a revised schedule will be posted in Webcampus.



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## Texts for Course:

Instructor provided material and selected journal article readings will be assigned. *No textbooks are required for this course.* There will be links to useful reprints and related websites where the student will be required to review pertinent materials.

## Course Learning Outcomes (CLOs):

Upon completion of this course, students will be able to:

- Develop department specific infection prevention policies and procedures
- Prepare a comprehensive hospital infection prevention plan
- Explain the rationale and importance of an effective antimicrobial stewardship program
- Critically read scientific literature in the field of infection prevention related to the healthcare environment including department infection prevention issues and concerns.
- Discuss issues with specific infection prevention issues as they apply to specific hospital departments or services

## Public Health (CEPH) and Healthcare (CAHME) Competencies Addressed:

1. **MPH 11** Select methods to evaluate public health programs
2. **MPH 15** Evaluate policies for their impact on public health and health equity
3. **SBH 05** Define and illustrate the utilization of evidence base strategies for improving health equity, decreasing health disparities, and/or impacting the social determinants of health.
4. **GEN 04** Explain the role of law in public health and compare legislation, regulation, and litigation as legal and public health tools.
5. **HCA 02** Apply performance improvement concepts to address organizational performance issues aligned with quality, cost, and access.
6. **HCA 04** Apply organizational theory and behavior to develop, assess, and design or redesign health care organizations.
7. **EOH 01** Characterize the biological, chemical, and physical hazards affecting human and ecosystem health.
8. **EOH 02** Understand the effect of environmental contaminants and infectious diseases on the human body and apply knowledge of these factors in developing prevention and management strategies and making policy recommendations.
9. **MHA A1. Knowledge of healthcare, environment:** standards and regulations. (Identify standards, laws, regulatory, and accreditation criteria applicable to healthcare organizations).
10. **EAB 01.** Utilize epidemiology and Biostatistics concepts in the discussion of public health issues.

## Objective Mapping

This objective map aligns the Council on Education for Public Health (CEPH) competencies to the coursework:

| Course Objective | Competency | Teaching Method | Assessment Method |
|---|---|---|---|
| *1. Develop department specific infection prevention policies and procedures* | EOH 01<br>EAB 01 | Class Readings, Discussions, Lectures | Examination 1-4 written topic reviews. |



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| Course Objective | Competency | Teaching Method | Assessment Method |
|---|---|---|---|
| 2. *Prepare a comprehensive hospital infection prevention plan* | EOH 02, EOH 03 | Class Readings, Lectures, Exercises | Evaluation of written topic reviews. |
| 3. *Identify problem areas for infection prevention compliance with standards* | EOH 01, EAB 04 | Class Readings, Lectures, Exercises | Examination 1-4 written topic reviews. |
| 4. *Compare and contrast the differences in the various pathogens* | EOH 01 | Class Readings, Lectures, & Exercises | Evaluation of written topic reviews. |
| 5. *Explain the rationale and importance of an effective antimicrobial stewardship program* | GEN 04 | Class Readings, Lectures, Exercises | Examination 1-4 written topic reviews. |
| 6. *Discuss issues with specific infection prevention issues as they apply to specific hospital departments or services* | GEN 04 | Class Readings, Lectures, Exercises | Evaluation of written topic reviews. |

## Grading Components

### *The grading components of the course include (Masters Level):*

*Note: Minimum acceptable score for graduate credit is 80% or 400 total points*

| Assessment Method | Number of Units | Points per Unit | Total Points |
|---|---|---|---|
| Exams | 4 | 100 | 400 |
| Written Case reviews | 8 | 10 | 80 |
| **Total** | | | **480** |

## Assessment Overviews

### *Examinations:*

There will be a total of four examination/projects each worth 100 points, The examination component will not be comprehensive, focusing only on material presented since the prior examination. The examinations are open-book and open-note. Academic integrity is essential. All students are expected to take the examination without outside support or help.

### *Case Reviews*

Each week the student shall select one published paper on hospital infection prevention to review and present a short 1-2 paragraph review of the article. The article should be related to the modules for the week. Appropriate journals are *The Journal of Hospital Infections; American Journal of Infection Prevention (AJIC); Infection Control and Hospital Epidemiology (ICHE), American Journal of Public Health.* If you are not sure about the appropriateness of the journal, please contact the instructor.

There may be additional discussions for some of the modules, or current topics. These discussions have a point value of 3-5 points per discussion. These points will be added to the final total points as "extra credit". Each discussion should be one-two paragraphs related to the topic, properly referenced and submitted within one week of the notification of availability.

## Grading Scale:

Final grades will be assigned based on the total percentage average at the end of the course, as indicated in the table below. Students must earn at least a B to receive graduate credit for this course.

Grades will be rounded to the nearest whole number (92.5% will round to a 93%, 92.49% will round to a 92%).

| Letter Grade | % Range |
|---|---|
| A | 93-100% |
| A- | 90-92% |
| B+ | 87-89% |
| B | 80-86% |
| C | 70-79% |
| D | 60-69% |
| F | Below 60% |

## Additional Considerations:

**Program Use of Student Work:** Assignments completed for this course may be used as evidence of student learning in accreditation reports. Students who do not wish their work to be used for accreditation purposes must inform the course instructor in writing by the end of late registration. Your participation and cooperation are appreciated.

**Late Papers and Make-Up Exams:** Make-up intra-term exams must be scheduled with the instructor and completed within 1 week (i.e., before the next class period). Make-up final exams must be scheduled with the instructor and completed by the end of final exam week. There is no provision to "make up" an exam that the student failed to write during the scheduled time period.

**Other UNLV Policies:** You are also responsible for reviewing and complying with the policies found on the following website: **https://www.unlv.edu/policies/additional**

**Public Health Directives**

**Face coverings are currently optional for all faculty and students in the classroom.** Students must follow all active UNLV public health directives while enrolled in this class. UNLV public health directives are found at Health Requirements for Returning to Campus, https://www.unlv.edu/coronavirus/health-requirements. Students who do not comply with these directives may be asked to leave the classroom. Refusal to follow the guidelines may result in further disciplinary action according to the UNLV Student Conduct Code, https://www.unlv.edu/sites/default/files/page_files/27/StudentConduct-Code.pdf, including being administratively withdrawn from the course.

**Academic Misconduct**

Academic integrity is a legitimate concern for every member of the University community. We all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility, and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy, and are encouraged to always take the ethical path whenever faced with choices. Students enrolling at UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's educational mission. An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another person, from the Internet or any other source without proper citation of the source(s). See the Student Conduct Code, https://www.unlv.edu/studentconduct/student-conduct.

**Auditing a Course**

Auditing a course allows a student to continue attending the lectures and/or laboratories and discussion sessions associated with the course, but the student will not earn a grade for any component of the course. Students who audit a course receive the same educational experience as students taking the course for a grade, but will be excused from exams, assessments, and other evaluative measures that serve the primary purpose of assigning a grade.

**Classroom Conduct**

Students have a responsibility to conduct themselves in class and in the libraries in ways that do not interfere with the rights of other students to learn, or of instructors to teach. Use of devices such as cellular phones and pagers, or other potentially disruptive activities are only permitted with the prior explicit consent of the instructor.

Students are specifically prohibited to record classes without instructor authorization, including online/remote classes (either audio only, or video and audio). The instructor may rescind permission at any time during the class. If a student does not comply with established requirements or obstructs the functioning of the class, the instructor may initiate an administrative withdrawal of the student from the course.

Since the COVID-19 pandemic forced some instruction to be delivered remotely starting in Spring 2020, numerous students have asked instructors to record their synchronous classes, so that they can access them at their convenience. Instructors who agree to record their classes (audio only, or video and audio) should inform students in advance. Recorded lectures may not be broadly released to anyone, but made available exclusively to those students enrolled in the class during the particular academic term. Recorded lectures must be stored securely, and are subject to the Nevada System of Higher Education's Records Retention Policy, meaning that the recordings can only be deleted 120 days after the end of class (i.e., after grades are posted). Once this requirement is met, the recordings should be deleted. Class recordings are protected from disclosure, as they are deemed part of an educational record under the Family Educational Rights and Privacy Act (FERPA).

**Copyright**

The University requires all members of the University Community to familiarize themselves with, and to follow copyright and fair use requirements. You are individually and solely responsible for violations of copyright and fair use laws. The University will neither protect nor defend you, nor assume any responsibility for student or employee violations of fair use laws. Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional copyright policy information is available at https://www.unlv.edu/provost/copyright.

**Disability Resource Center (DRC)**

The UNLV Disability Resource Center (Campus Resource Center (CRC) 1st floor, https://www.unlv.edu/drc, telephone 702-895-0866) provides resources for students with disabilities. Students who believe that they may need academic accommodations due to a permanent disability, temporary or permanent medical need, or academic support due to pregnancy are encouraged to contact the DRC as early as possible in the academic term. A Disabilities Specialist will discuss what options may be available to you. Students who are already registered with the DRC should

request their accommodations online each semester, and make an appointment to discuss their accommodations with their instructors.

**Final Examinations**

The University requires that final exams given at the end of a course occur on the date and at the time specified in the Final Exam schedule. The Final Exam schedule is typically available at the start of the semester, and the classroom locations are available approximately one month before the end of the semester. See the Final Exam Schedule, https://www.unlv.edu/registrar/calendars.

**Identity Verification and Online Course Requirements**

All UNLV students must use their Campus-issued ACE ID and password to log in to WebCampus-Canvas.

UNLV students enrolled in online or hybrid courses are expected to read and adhere to the Student Academic Misconduct Policy, https://www.unlv.edu/studentconduct/misconduct/policy, which states that "acting or attempting to act as a substitute for another, or using or attempting to use a substitute, in any academic evaluation or assignment" is a form of academic misconduct. Intentionally sharing ACE login credentials with another person may be considered an attempt to use a substitute, and could result in investigation and sanctions, as outlined in the Student Academic Misconduct Policy. UNLV students enrolled in online courses are also expected to read and adhere to the Acceptable Use of Computing and Information Technology Resources Policy, https://www.it.unlv.edu/policies/acceptable-use-computing-and-information-technology-resources-policy, which prohibits sharing university accounts with other persons without authorization. To the greatest extent possible, all graded assignments and assessments in UNLV online courses should be hosted in WebCampus-Canvas or another UNLV-managed platform that requires ACE login credentials for access.

**Incomplete Grades**

The grade of "I" (Incomplete) may be granted when a student has satisfactorily completed three-fourths of course work for that semester/session, but cannot complete the last part of the course for reason(s) beyond the student's control and acceptable to the instructor, and the instructor believes that the student can finish the course without repeating it. For undergraduate courses, the incomplete work must be made up before the end of the following regular semester. Graduate students receiving "I" grades in 500-, 600-, or 700-level courses have up to one calendar year to complete the work, at the discretion of the instructor. If course requirements are not completed within the period indicated, a grade of "F" will be recorded, and the student's GPA will be adjusted accordingly. Students who are fulfilling an Incomplete grade do not register for the course, but make individual arrangements with the instructor who assigned the "I" grade.

**Library Resources**

Librarians are available to consult with students on research needs, including developing research topics, finding information, and evaluating sources. To make an appointment with a subject expert for this class, please visit the

Libraries' Research Consultation website, https://guides.library.unlv.edu/appointments/librarian. You can also ask the library staff questions via chat and text message at https://ask.library.unlv.edu/.

**Missed Classwork**

Any student missing class, quizzes, examinations, or any other class or laboratory work because of observance of religious holidays will be given an opportunity during that semester to make up the missed work. The make-up opportunity will apply to the religious holiday absence only. It is the responsibility of the student to notify the instructor within the first 14 calendar days of the course for Fall and Spring courses (except for modular courses), or within the first 7 calendar days of the course for Summer and modular courses, of their intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit the Missed Classwork policy, under Registration Policies, on the Academic Policies webpage, https://catalog.unlv.edu/content.php?catoid=39&navoid=10666.

In accordance with the policy approved by the Faculty Senate regarding missed class time and assignments, students who represent UNLV in any official extracurricular activity will also have the opportunity to make up assignments, provided that the student submits official written notification to the instructor no less than one week prior to the missed class(es).

The spirit and intent of the policy for missed classwork is to offer fair and equitable assessment opportunities to all students, including those representing the University in extracurricular activities. Instructors should consider, for example, that in courses which offer a "Drop one" option for the lowest assignment, quiz, or exam, assigning the student a grade of zero for an excused absence for extracurricular activity is both contrary to the intent of the

Faculty Senate's policy, and an infringement on the student's right to complete all work for the course.

This policy will not apply in the event that completing the assignment or administering the examination at an alternate time would impose an undue hardship on the instructor or the University that could be reasonably avoided. There should be a good faith effort by both the instructor and the student to agree to a reasonable resolution. When disagreements regarding this policy arise, decisions can be appealed to the Department Chair/School Director, College/School Dean, and/or the Faculty Senate Academic Standards Committee.

For purposes of definition, extracurricular activities may include, but are not limited to academic recruitment activities, competitive intercollegiate athletics, fine arts activities, liberal arts competitions, science and engineering competitions, and any other event or activity sanctioned by a College/School Dean, and/or by the Executive Vice President and Provost.

**Rebelmail**

Rebelmail is UNLV's official email system for students and by University policy, instructors and staff should only send emails to students' Rebelmail accounts. Rebelmail is one of the primary ways in which students receive official University communications, information about deadlines, major Campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the University. Sending emails within WebCampus-Canvas is also acceptable.

**Title IX**

UNLV is committed to providing an environment free of all forms of unlawful discrimination including sexual and gender-based discrimination, harassment, and violence like sexual assault, intimate partner violence, and stalking. If you, or someone you know, has experienced or is experiencing these types of behaviors, know that you are not alone. Resources and support are available. To learn more or to report an incident, please visit the Office of Equal Employment and Title IX website at https://www.unlv.edu/compliance. Please be aware that as an instructor, I am not a confidential resource, and I will need to report incidents of sexual misconduct to UNLV's Title IX Coordinator. You can also report concerns directly using the online reporting form, at https://cm.maxient.com/reportingform.php?UnivofNevadaLasVegas&layout_id=18, or via email at titleixcoordinator@unlv.edu or 702-895-4055. For confidential support in matters of sexual violence, relationship/family violence, or stalking, contact the Care Center at https://www.unlv.edu/carecenter or 702-895-0602.

**Tutoring and Coaching**

The Academic Success Center (ASC), at the Claude I. Howard Building, provides tutoring, academic success coaching, and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, please visit the ASC website, https://www.unlv.edu/asc, or call 702-895-3177. The ASC is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of SSC A, Room 254. Drop-in tutoring is located on the second floor of the Lied Library, and on the second floor of the College of Engineering building (TBE A 207).

**UNLV Writing Center**

One-on-one or small group assistance with writing is available free of charge to UNLV students at the

Writing Center, https://writingcenter.unlv.edu/, located in the Central Desert Complex, Building 3, Room 301 (CDC 3–301). Walk-in consultations are sometimes available, but students with appointments receive priority assistance. Students may make appointments in person or by calling the Center, telephone 702-895-3908. Students are requested to bring to their appointments their Rebel ID Card, a copy of the instructions for their assignment, and two copies of any writing they have completed on their assignment.

**988 FREE 24/7 SUICIDE & CRISIS LIFELINE**

In addition to campus resources such as the Counseling and Psychological Services (CAPS) website at https://www.unlv.edu/caps, visiting the YOU@UNLV website at https://you.unlv.edu/, and Early Alert (for graduate students, at https://www.unlv.edu/graduatecollege/academy/early-alert), you may now call or text 988 or chat at 988lifeline.org if you or someone you know is in crisis and in need of support.

Diversity Statement

As an institution of higher learning, UNLV represents a rich diversity of human beings among its faculty, staff, and students, and is committed to aspiring to maintain a Campus environment that values that diversity. Accordingly, the University supports understanding and appreciation of all members of its community, regardless of race, sex, age, color, national origin, ethnicity, creed, religion, disability, sexual orientation, gender, gender identity, marital status, pregnancy, genetic information, veteran status, or political affiliation. Please see University Statements and Compliance, https://www.unlv.edu/about/statements-compliance.

A successful learning experience requires mutual respect and trust between the students and the instructor. Accordingly, the instructor asks that students be willing to listen to one another's points of view, acknowledging that there may be disagreements, keep discussion and comments on topic, and use first person, positive language when expressing their perspectives.

UNLV Land Acknowledgement

UNLV is situated on the traditional homelands of Indigenous groups, including the Nuwu or Nuwuvi, Southern Paiute People, descendants of the Tudinu, or Desert People. We honor and offer gratitude for those who have stewarded the land; for the land itself; and for the opportunity to cultivate a thriving, diverse, inclusive, and just scholarly community here today that works for a better tomorrow for all.

# Course Schedule

| Week | Week Of: | Reading & Activities: | Competencies Covered: | Assignment & Due Date, 11:59pm |
|---|---|---|---|---|
| **1** | *6 June 2022* | Module 1 & 2: Microbiology | GEN 04<br>EAB 01 | ***EOH 730 Case Review #1***<br>Initial Post: Friday, 6/10<br>Response Post: Sunday, 6/12 |
| **2** | *13 June* | Module 3: Microbiology III<br>Module 4: Microbiology IV - Immunology | GEN 04<br>EAB 01 | ***EOH 730 Case Review #2***<br>Initial Post: Friday, 6/17<br>Response Post: Sunday, 6/19 |
| **3** | *20 June* | Exam #1<br>Module 5: Sterilization & Disinfection | EOH 02 MHA A1 | **Exam #1**<br>**Exam Opens:** Monday, 6/20, 9:00am<br>**Exam Closes:** Sunday, 6/26, 11:59pm |
| **4** | *27 June* | Module 6: Hospital Departments<br>Module 7: Hospital Construction | GEN 04 | ***EOH 730 Case Review #3***<br>Initial Post: Friday, 7/1<br>Response Post: Sunday, 7/3 |
| **5** | *5 July* | Exam #2 | | **Exam #2**<br>**Exam Opens:** Tuesday, 7/5, 9:00am<br>**Exam Closes:** Sunday, 7/10, 11:59pm |
| | | Module 8: Epidemiology & Statistics<br>Module 9: Data Management | MPH 11,<br>GEN O4 | ***EOH 730 Case Review #4***<br>Initial Post: Friday, 7/8<br>Response Post: Sunday, 7/10 |
| **6** | *11 July* | Module 10: NHSN<br>Module 11: Infectious Diseases | MPH 11 MPH 15 | ***EOH 730 Case Review #5***<br>Initial Post: Friday, 7/15<br>Response Post: Sunday, 7/17 |
| **7** | *18 July* | Exam #3 | | **Exam #3**<br>**Exam Opens:** Monday, 7/18, 9:00am<br>**Exam Closes:** Sunday, 7/24, 11:59pm |
| | | Module 12: Antimicrobial Stewardship | MPH 11<br>EAB 05 | ***EOH 730 Case Review #6***<br>Initial Post: Friday, 7/22<br>Response Post: Sunday, 7/24 |
| **8** | *25 July* | Module 13: Principles of Education<br>Module 14: Regulatory Requirements | MPH 11<br>GEN 04<br>MPH 18 | ***EOH 730 Case Review #7***<br>Initial Post: Friday, 7/29<br>Response Post: Sunday, 7/31 |
| **9** | *1 Aug* | Module 15: Employee Health & Occupational Medicine | MPH 11<br>GEN 04<br>MPH 18 | ***EOH 730 Case Review #8***<br>Initial Post: Friday, 8/5<br>Response Post: Sunday, 8/7 |
| **10** | *8 Aug* | Exam #4 | | **Exam #4**<br>**Exam Opens:** Monday, 8/8, 9:00am<br>**Exam Closes:** Friday, 8/12, 11:59pm |



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