

IMPORTANT: This syllabus form should be submitted to OAA (gsbs_academic_affairs@uth.tmc.edu) a week before the start of each semester.

NOTE to STUDENTS: If you need any accommodations related to attending/enrolling in this course, please contact one of the Graduate School's 504 Coordinator Natalie Sirisaengtaksin. We ask that you notify GSBS in advance (preferably at least 3 days before the start of the semester) so we can make appropriate arrangements.

<p>Term and Year: Spring 2026</p> <p>Course Number and Course Title: GS07 1741: Literature Survey in Microbiology and Infectious Disease</p> <p>Credit Hours: 1</p> <p>Meeting Location: UTHealth McGovern Medical School</p> <p>Building/Room#: MSB. B605</p> <p>WebEx/Zoom Link: : N/A</p>	<p>Program Required Course: Yes</p> <p>Approval Code: No</p> <p>Audit Permitted: No</p> <p>Classes Begin: January 06, 2026</p> <p>Classes End: April 21, 2026</p> <p>Final Exam Week:</p>
<p>Class Meeting Schedule</p>	
<p style="text-align: center;">Day</p> <p style="text-align: center;">Tuesday</p>	<p style="text-align: center;">Time</p> <p style="text-align: center;">12-1pm</p>
<p>Course Director Name and Degree: Chenggang, PhD Title: Assistant Professor Department: Microbiology & Molecular Genetics Institution: UTH Email Address: Chenggang.wu@uth.tmc.edu Contact Number: 7135005437</p>	<p>Instructor/s</p> <p>None</p>
<p>Course Description:</p> <p>Literature Survey in Microbiology and Infectious Diseases (GS07 1741) Tuesday: 12:00 - 1:00 PM in MSB Room B.605. Offered Spring and Fall Annually. Course Director: Chenggang Wu, Chenggang.wu@uth.tmc.edu, 713-500-5437 Program Coordinator: Carolyn Agurcia-Parker, Carolyn.A.AgurciaParker@uth.tmc.edu, 713-500-8805 Journal articles will be presented in each class and chosen by the presenter from the literature on microbiology and infectious diseases. Students will critically evaluate recent journal articles. MID Program Requirement: This course is required every spring and fall semester in which a student is part of the MID program and enrolled in "Research in Biomedical Sciences." It is not required during the final semester of thesis writing if the student is enrolled in "Thesis for Master of Science" or "Dissertation for Doctor of Philosophy." It is also not required of MD/Ph.D. students enrolled in the MD part of their training.</p>	

Textbook/Supplemental Reading Materials

None

Student Responsibilities and Expectations:

All students are expected to attend 70% of the classes in person.

Offsite students: Students in labs outside of the medical school building may seek an exception to in-person attendance from the Program Director.

Exceptions for illness/travel: Students that are ill or traveling for professional reasons are not required to attend in person or remotely and will receive an excused absence if requested. Students should inform both Chenggang.wu@uth.tmc.edu and Carolyn.A.AgurciaParker@uth.tmc.edu prior to the meeting to receive an excused absence.

Remote attendance: If an exception for remote attendance is granted by the Program Director, please inform Chenggang.wu@uth.tmc.edu and Carolyn.A.AgurciaParker@uth.tmc.edu and email a write-up to them within 24 hours of the meeting.

The write-up should consist of the following:

- A) A description of the purpose of the research study in one or two sentences.
- B) AND a brief, one or two-sentence description of any problems/flaws that the presenter or members of the audience found with the article. If no problems were found, please note it in the write-up.

PRESENTATION GUIDELINES

Students should pick a journal article in the areas of microbiology and infectious disease, but outside the area of their thesis project, that has been published within six months of the student's assigned presentation date. Students are encouraged to pick an article that should be of broad interest to MID program students and faculty. Pre-candidacy graduate students must receive the instructor's approval of the paper that he or she wishes to present at least two weeks before the presentation date. The final journal article should be emailed to the program coordinator and course director one week before the presentation.

Below are specific guidelines for the content of the student's presentation.

A) Introduction to the paper

Presentations should include an introduction to the research area covered by the presented paper. This includes background information on the organism(s) studied, its significance, and the examined physiological process. Students should also present the relevant data from previous papers that led to the line of investigation described in the chosen paper.

B) Presentation of the results

Presentations should include enough supplementary figures to sufficiently cover the article's main points. Presentations do not have to include all of the figures and supplemental material. For figures presented, students should describe the question or problem addressed by the figure, the experimental approach used, how the data is presented, specific results including controls, and a summary of the overall meaning of the results.

C) Summary and critique

The students should summarize the paper's major conclusions at the end, which could include a model that summarizes the results. Students should also provide a critique of the paper indicating whether the student thinks the conclusions made by the authors are justified by the results and any specific criticisms of the approaches used and their limitations.

D) Future directions:

Students should provide comments with regard to what is the next step for future studies.

Grading System: Pass/Fail

Student Assessment and Grading Criteria : *(May include the following:)*

Percentage	Description
Presentation (30%)	
Participation and/or Attendance (70 %)	Students will be evaluated on their participation and attendance. Thus, students must attend at least 70% of the classes to receive a passing grade. Attendance is taken via a sign-in sheet present at each class. If a student does not sign in, then the student is considered absent from class