

**IMPORTANT:** This syllabus form should be submitted to OAA ([gsbs\\_academic\\_affairs@uth.tmc.edu](mailto: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 Coordinators, Cheryl Spitzenberger or 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><b>Term and Year: Fall 2023 and Spring 2024</b></p> <p><b>Course Number and Course Title:</b>  <b>GS07 1741: Literature Survey in Microbiology and Infectious Disease</b></p> <p><b>Credit Hour: 1</b></p> <p><b>Meeting Location:</b> UTHealth McGovern Medical School</p> <p><b>Building/Room#:</b> MSB. B605</p> <p><b>WebEx/Zoom Link:</b> N/A</p>	<p><b>Program Required Course: Yes</b></p> <p><b>Approval Code: No</b>          (If yes, the Course Director or the Course Designee will provide the approval code.)</p> <p><b>Audit Permitted: No</b></p> <p><b>Classes Begin:</b> August 29, 2023</p> <p><b>Classes End:</b> December 1, 2023</p> <p><b>Final Exam Week:</b> None</p>				
<p><b>Class Meeting Schedule</b></p>					
<table border="1"> <thead> <tr> <th data-bbox="107 1073 808 1115">Day</th> <th data-bbox="808 1073 1503 1115">Time</th> </tr> </thead> <tbody> <tr> <td data-bbox="107 1115 808 1199">Tuesday</td> <td data-bbox="808 1115 1503 1199">12-1 pm</td> </tr> </tbody> </table>	Day	Time	Tuesday	12-1 pm	
Day	Time				
Tuesday	12-1 pm				
<p><b>Course Director:</b></p> <p>Name and Degree: <b>Chenggang Wu, PhD</b></p> <p>Title: <b>Assistant Professor</b></p> <p>Department: <b>Microbiology &amp; Molecular Genetics</b></p> <p>Institution: <b>UTH</b></p> <p>Email Address: <a href="mailto:Chenggang.wu@uth.tmc.edu">Chenggang.wu@uth.tmc.edu</a></p> <p>Contact Number: 7135005437</p>	<p><b>Instructor/s</b></p> <p>1. <b>TBA</b>          Name and Degree          Institution:          Email Address :</p>				

## Course Description:

### 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](mailto:Chenggang.wu@uth.tmc.edu), 713-500-5437

Program Coordinator: Carolyn Agurcia-Parker, [Carolyn.A.AgurciaParker@uth.tmc.edu](mailto: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 disease. 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.

## 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](mailto:Chenggang.wu@uth.tmc.edu) and [Carolyn.A.AgurciaParker@uth.tmc.edu](mailto: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](mailto:Chenggang.wu@uth.tmc.edu) and [Carolyn.A.AgurciaParker@uth.tmc.edu](mailto: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:)*

<b>Percentage</b>	<b>Description</b>
<b>Presentation ( 30 %)</b>	
<b>Participation and/or Attendance ( 70 %)</b>	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.