

MCB7922: Journal Club

1 credit

Course Description

UF Catalog: This course is an online forum where students will be required to present a primary literature paper to a group where fellow students will comment and ask questions regarding the paper content. The principal goals of this blog-based Journal Club are to: (a) enhance graduate students' understanding of the current state of knowledge regarding the field of microbiology; and (b) provide experience in reviewing and critiquing research articles. Each week a different student will lead the discussion by posing several questions to the rest of the group that critically evaluates peer-reviewed science articles for subsequent group discussion threads that reinforces the principles of various research approaches and analytical methods. This course will also help students to develop their scientific inquiry and written skill sets.

Time and Location

Asynchronous Canvas course.

Instructor

Dr. Daniel Czyż (*chysh*)
Department of Microbiology and Cell Science
1355 Museum Drive
Office: Room 1004, Building 981
Phone: 352-392-0237
Email: dczyz@ufl.edu
Twitter: @360Science

Virtual Office hours: By appointment via Zoom or a phone call

To request an office hours appointment, send an e-mail directly to the instructor with three suggested dates/times.

Instructor's Teaching Philosophy

"Your work is going to fill a large part of your life, and the only way to be truly satisfied is to do what you believe is great work" - Steve Jobs

You embrace education; devote your time to pursue your goals, strive for success, and do your best, but sometimes you are just hitting obstacles that prevent you from moving forward. That's when you wish you would have a good mentor. I've helped people who hit obstacles get right back on track, but more importantly, I help my mentees and students avoid hitting obstacles in the first place. I always make sure I am available for my students and my colleagues, whether it's in a classroom or in a laboratory setting. As a scientist, I put a lot of time and emphasis on my trainees providing them with the right personalized support plan to guide them towards their short and long-term goals, as their success is my success. As an educator, my primary objectives are to retain students' attention, promote creativity and teamwork, and encourage out-of-classroom learning.

I find science to be the most fascinating and exciting subject to teach, mostly because it is never fully explored and with the ongoing new discoveries, teaching becomes learning. Science can be found in our

everyday life and I believe that relating new information to practical application in daily lives focuses students' attention and enhances learning. For that reason, I link my lecture material to everyday applications as much as possible.

I encourage and expect students to employ out-of-textbooks material, including public databases, online tools, and primary literature. While independent projects are important, in science, single-person projects are nearly nonexistent. I strongly believe that assigning students to group projects strengthens their team-building core, helps to develop essential communication skills, and exposes students to conflicts and teaches them how to deal with them. Most importantly, an assignment might seem difficult for an individual student but becomes trivial when done as a team.

Finally, I put emphasis on mentorship and participation in extracurricular activities. My students are expected to mentor each other because it will help them develop essential skills in their future careers. It's never too early to become a mentor. Finally, I truly believe that building a career is not solely attained during classroom education. Participation in community outreach events, conferences, seminars, and symposia is just as important as classroom-based learning. These extracurricular activities build leadership and improve communication skills and I strongly encourage my students to participate in such activities.

Course Level & Prerequisites

The course is designed for graduate students.

The course requires graduate students to have a Bachelor's degree in biology or a related field.

Course Goals

By the end of this course, students will be able to apply critical thinking to analyze complex scientific problems, evaluate scientific manuscripts by assessing methodologies, data interpretation, and conclusions, and enhance their scientific literacy through the exploration of cutting-edge research in antimicrobial resistance and host-pathogen interactions. Additionally, the course aims to foster collaborative discussions, encouraging students to engage in interdisciplinary perspectives on current challenges in the field, ultimately equipping them with the skills to critically assess and contribute to advancing research in these areas.

Learning Assessment*

Grades are used to assess your learning progress. The vast extent of the information covered by this course should not discourage students. This course is designed to teach you and not fail you. If you encounter any learning difficulties that will affect your grades/learning progress, contact the professor as soon as possible.

*all learning assessments are subject to change at the discretion of the instructor

GRADING SCALE

WRITTEN ASSIGNMENTS (50 pts):

There will be two written assignments in the form of a short 250-word abstract. The topics of these assignments will be selected by the instructor. Each assignment will be worth 25 points each for a total of 50 points. The response should not take more than 250 words in total – adhering to this limit is a must. Points will be deducted if the abstract is

Grade	Percentage
A	>93.4
A-	93.3-90.0
B+	89.9-86.6
B	86.5-83.4
B-	83.3-80.0
C+	79.9-76.5
C	76.4-73.3
C-	73.2-70.0
D+	69.9-66.6
D	66.5-63.3
D-	63.2-60.0
E	<60.0

>250 words. The 250-word limit on abstracts is a standard practice in academic journals and conferences to ensure clarity, efficiency, and accessibility. By imposing a strict word count, authors are encouraged to prioritize critical information, summarizing the objectives, methods, results, and conclusions of their work concisely. This brevity allows readers, particularly researchers and professionals, to quickly assess the relevance of a paper without unnecessary details or jargon. Ultimately, the word limit promotes precision and challenges authors to refine their writing, ensuring that abstracts are purposeful and accessible to a broad audience.

DISCUSSIONS (150 pts):

There will be 15 graded discussions (10 points each, 150 points total). The discussions will be facilitated using Perusall – a social learning platform where you will engage in discussing reading materials.

Grades and Grade Points

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/UGRD/academic-regulations/grades-grading-policies/>.

Late Submission

Graduate students who turn in late writing assignments will be penalized 10% of the total score for each late day up to three days. After three days, no late submissions will be accepted. Students with special medical or family problems should contact the instructor directly.

Attendance and Make-Up Work

Requirements for class attendance and make-up assignments and other work are consistent with university policies that can be found at: <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/>.

Website

Course material can be accessed through Canvas. <https://ufl.instructure.com/>

*Technical issues related to the course can be addressed to UF helpdesk
<http://helpdesk.ufl.edu>, 352-393-4357, helpdesk@ufl.edu*

Canvas Technology Requirements

Computers, Internet, and Web browsers: Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser. It is recommended to use a computer less than five years old with at least 1GB of RAM. It is recommended to have a minimum Internet speed of 512kbps. It is **strongly recommended** to not use a wireless connection, phone, tablet, or notepad for critical course tasks such as exams and discussions.

Canvas currently supports the following browsers: Chrome, Safari, Firefox, Edge. Canvas supports the last two versions of most browsers. It is **highly recommend** updating to the **newest version** of whatever browser you are using. Note that your computer's operating system may affect browser function. Failure to use one of these browsers will cause problems.

For more information on approved computers and browsers please visit:

<https://community.canvaslms.com/t5/Canvas-Basics-Guide/What-are-the-browser-and-computer-requirements-for-Canvas/ta-p/66> On this web page there is an area titled "Is My Browser up to Date?"

Use it to check each computer and browser you may use in this course. There is another important area on "Browser Privacy Settings." Read the section(s) for any browser intended for use. For example, **Note that:** In browsers such as Safari, insecure content will never be displayed in the browser. Return to the page to check for updates on technology issues in Canvas.

If you encounter technical difficulties in this course, **contact the UF Computing Help Desk** right away to troubleshoot. <https://helpdesk.ufl.edu/> or (352) 392-HELP. If the problem cannot be fixed immediately, **notify your instructor, and provide them with the Help Desk ticket number.**

Communication

Discussion Board: Available through Canvas. Postings and answers are monitored by the instructor

Twitter: Follow and share science news related to the course using #AMR_UF

Email: dczyz@ufl.edu

IMPORTANT: Please familiarize yourself with [netiquette](#) (cyber behavior guidelines). See below "Netiquette guide for online courses".

Course Material

Required material: There is no textbook for this course. This course is based on peer-reviewed publications that will be provided by the instructor. The required reading material will be posted under "Assignments" in Canvas.

Recommended reading and other material: Additional reading material, links to videos, and other online resources will be posted under "Files" in Canvas.

In-Class Recording

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor. A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session. Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted

on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Services for Students with Disabilities

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation

0001 Reid Hall, 352-392-8565, <https://disability.ufl.edu/>

Campus Helping Resources

Students experiencing crises or personal problems that interfere with their general wellbeing are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

These resources include:

Health & Wellness

- [U Matter, We Care](#): If you or a friend is in distress, please contact umatter@ufl.edu or tel. 352-392-1575 so that a team member can reach out to the student. <http://www.umatter.ufl.edu/>
- University [Counseling and Wellness Center](#): Provides counseling services to students 3190 Radio Road. Tel. 352-392-1575. <https://counseling.ufl.edu/>
 - Counseling Services
 - Groups and Workshops
 - Outreach and Consultation
 - Self-Help Library
 - Wellness Coaching
- [Sexual Assault Recovery Services](#) (SARS): Provides services related to sexual violence. Tel. 352-392-5648. http://www.umatter.ufl.edu/sexual_violence
- [Student Health Care Center](#): Student health-related services. Tel. 352-392-1161. <https://shcc.ufl.edu/>
- [Gator Career Closet](#): Serves as a lending closet for students to borrow professional clothing and accessories free of charge. This service is available to all UF students with a valid UF ID. Tel. 352-392-1601. <https://career.ufl.edu/careercloset/>

- [Food Pantry](#): Offers non-perishable food, toiletries, and fresh vegetables. This service is provided to current students, staff, and faculty at the University of Florida. Gator 1 ID is required, but no proof of need is required.

For emergencies call the [University Police Department](#) at 352-392-1111 (or 911).

Academic Resources

[E-learning technical support](#): Tel. 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. <https://lss.at.ufl.edu/help.shtml>.

[Career Connection Center](#), First Floor JWRU: Career assistance and counseling. Tel. 352-392-1601. <https://career.ufl.edu/>.

[Library Support](#): Various ways to receive assistance with respect to using the libraries or finding resources. Text 813-463-2283 or Tel. 866-281-6309. <http://cms.uflib.ufl.edu/ask>

[Teaching Center](#), Broward Hall: General study skills and tutoring. Tel. 352-392-2010 or 352-392-6420. <http://teachingcenter.ufl.edu/>

[Writing Studio](#), 302 Tigert Hall: Help brainstorming, formatting, and writing papers. Tel. 352-846-1138. <http://writing.ufl.edu/writing-studio/>

Online Course Evaluation Process

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students are expected to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at: <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at: <https://gatorevals.aa.ufl.edu/public-results/>.

Setting up VPN

To access UF resources and journal articles off-campus, please set up a Virtual Private Network (VPN). VPN allows you to remotely connect to UF services (i.e. library, UF servers). For detailed instructions on how to set up VPN visit: <https://it.clas.ufl.edu/kb/category/vpn/>

Netiquette guide for online courses

It is important to recognize that the online classroom is in fact a classroom, and certain behaviors are expected when you communicate with both your peers and your instructors.

These guidelines for online behavior and interaction are known as netiquette.

<http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf>

Academic Honesty

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: *"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."* You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."* It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <https://policy.ufl.edu/regulation/4-040/>. If you have any questions or concerns, please consult with the instructor. Additional policies on academic integrity can be found in the [Orange Book](#).

Additional comments regarding academic integrity:

Students are encouraged to discuss the course material with each other, help each other understand concepts, study together, and even discuss assessment questions with each other once the quiz window is closed. However, the following is considered academic dishonesty, and I expect that no student will ever do any of the following:

- Have another person complete a quiz in this course
- Copy another student's quiz in this course
- Collaborate with anyone during a quiz in this course
- Discuss the questions and answers of a quiz with other students while the quiz is still open
- Manipulate and/or distribute any materials provided in this course for any purpose (including course lecture slides).
- Use any materials provided by a previous student in the course

The result of any infraction will be consistent with university policy - see "Academic Honesty".

Software Use

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Microsoft Office 365 Software is free for UF students

<http://www.it.ufl.edu/gatorcloud/free-office-365-downloads/>

Other free software is available at:

<http://www.software.ufl.edu/>

To check for availability of the media and technical requirements, contact the UF Computing Help Desk at (352)392-HELP(4357).

University of Florida Complaints Policy and Student Complaint Process

The University of Florida and most instructors believe strongly in the ability of students to express concerns regarding their experiences at the University. Most problems, questions and concerns about the course will be resolved by professionally communicating with the instructor. Please try to meet your instructor in person, make an appointment to call, or try to set up a remote meeting through Skype or other media. The University encourages its students who still wish to file a written complaint to submit that complaint directly to the department that manages that policy. For more information visit:

- Residential Course: <https://sccr.dso.ufl.edu/policies/student-honor-code-studentconduct-code/>.
- Online Course: <http://www.distance.ufl.edu/student-complaint-process>

Professionalism is a two-way street. Unprofessional behavior of students includes, among other things: lack of communication, blaming other people or external factors, lying, affecting others negatively in a group or in the class, not accepting criticism and not being proactive in solving problems or seeking help. Furthermore, faculty often have family and other obligations to tend to. Over the weekend, replies to your inquiries or questions may be delayed. If a student is lacking professionalism repeatedly, the instructor has the right to file a formal complaint against the student through the Dean of Student office.

Academic Calendar

Students should familiarize themselves with important academic dates and deadlines available at <https://catalog.ufl.edu/UGRD/dates-deadlines/>