BIOL 409
Molecular Biology
Course Syllabus
Fall 2025 (Sections 001, 002, & 003)

Instructor:	Dr. John E. Weldon	**Office Hours**:	Tuesdays	10:00-11:30	AM
Email:	jweldon@towson.edu		Wednesdays	3:30-5:00	PM
Office:	Science Complex, Rm 5101C	**Zoom Link:**			
Phone:	(410) 704-3191	https://towson-edu.zoom.us/j/2995816788			

Note: Please utilize Office Hours whenever possible. In lieu of Office Hours, email is the preferred method of contact for course-related communication. Most messages will be answered within 1-2 business days. Zoom meetings can be arranged if necessary; please contact me to set a specific time.

Learning Assistants:

- Phil Skaist Section 001 pskaist1@students.towson.edu
- Brita Onomake Section 002 bonomak1@students.towson.edu
- Seth Strang Section 003 sstrang1@students.towson.edu

Prerequisites:	Required:	Principles of Genetics (BIOL 309)
	Recommended:	General Chemistry II (CHEM 132/132L)

Lecture:	Mondays & Wednesdays	11:00 AM-12:15 PM	Science Complex, Rm 2133
	Lectures will be recorded via Panopto and posted to Blackboard		
Recitation:	Section 001: Mondays	1:30-3:20 PM	Science Complex, Rm 5228
	Section 002: Tuesdays	1:30-3:20 PM	Science Complex, Rm 5228
	Section 003: Wednesdays	1:30-3:20 PM	Science Complex, Rm 5228

The semester begins Monday, August 25 and ends Monday, December 15, 2025. Refer to the posted schedule for more details.

MATERIALS

Recommended Text: Lehninger Principles of Biochemistry, 7th ed
Nelson, DL and Cox, MM
W.H. Freeman and Company, 2017, New York, NY

Course Website: If you are officially enrolled in this course, you should automatically have access to the course website hosted on Blackboard (https://blackboard.towson.edu). If you cannot access the course website on Blackboard, please contact tech support as soon as possible. Use of the course website is integral and essential to success in this course, including course announcements, instructional materials, assessments, and feedback/grades. Please check the website regularly. Access to additional websites may also be required at various points throughout the semester.

COURSE DESCRIPTION

Molecular Biology (BIOL 409) covers the molecular basis of genetic inheritance and gene expression. Topics include DNA and RNA structure, DNA replication, transcription, translation, DNA damage repair, genome structure and organization, and laboratory techniques.

BIOL 409 Course Objectives: The following outline summarizes the learning objectives for the course. It is not meant as a study guide and does not include specific details, but instead summarizes the major ideas that we will be covering in this course.

- Understand the major processes of molecular biology, including DNA replication, DNA mutagenesis and repair, RNA transcription and splicing, and protein translation. For each process, students will be able to:
  - Describe the purpose
  - Identify the molecules involved
  - Locate the process within the cell
  - Contrast the timing of the different processes
  - Calculate energy requirements
  - Discriminate the regulation of the different processes
- Compare and contrast these major processes between prokaryotes and eukaryotes.
- Integrate major historical concepts into their understanding of Molecular Biology.
- Determine how the concepts studied apply to the conduct of biomedical research.
- Develop critical thinking skills by analysis of primary scientific literature, including both seminal papers in molecular biology and recent publications.

Students shall accomplish these goals through classroom lecture, guided discussion, and student presentations. Science is an ongoing process of investigation and discovery, not simply a collection of facts in a textbook. The process of learning how to approach the scientific method requires the active participation of students, including reading the assigned materials and contributing to class discussions. Your level of participation will have both direct and indirect impacts on your overall grade in this course.

The BIOL 409 course consists of two primary course activities: **Lecture** & **Recitation**.

The **Lecture** period will meet twice weekly in person for all sections according to the posted schedule. Please see Blackboard for the most up to date version of the schedule. Attendance is highly recommended, but not mandatory. Lectures will be recorded via Panopto and distributed through Blackboard to all students.

The **Recitation** period will meet weekly in person for each section according to the posted schedule. Please see Blackboard for the most up to date version of the schedule. Attendance is mandatory and absences will negatively affect your final grade. The chief objective of the Recitation period is to develop critical thinking skills through analysis of primary scientific literature. Students will be tasked with reading, understanding, evaluating, and presenting primary research articles. More information can be found in the syllabus below and on Blackboard.

EXPECTATIONS

This syllabus is an agreement between the instructor and the student. All students who choose to take this course are expected to abide by the terms listed within this document.

I anticipate that…

- You have an extensive foundation of knowledge upon which to build. Your instructor assumes an advanced undergraduate level of understanding when presenting the course material to students.
- You will complete the tasks your instructor assigns, including the assigned readings.
- You will contact me with questions or concerns regarding the course material, your comprehension of the material, and your ability to complete the assignments.
- You will prepare for and participate in class.

COURSE POLICIES AND PROCEDURES

Attendance Policy:

- **Lecture:** Lectures will be given in person according to the posted schedule. Lecture attendance is strongly encouraged. All lectures will be recorded and posted to Blackboard. Lecture Quizzes and Exams will be given during the lecture period. Please see the **Lecture Schedule** for tentative dates and **Grading Policies** for more information concerning assessments.
- **Recitation:** Recitation period will be held in person according to the posted schedule. Attendance at recitations is mandatory. Students with absences after the first meeting will receive a penalty to their Recitation grade unless they make up the missed classed. Contact the instructor to discuss arrangements. Students absent from three or more Recitation period who are unable to make up the missed classes will receive an automatic failing grade for the course. Please inform your instructor in advance if there are foreseeable conflicts, and alternative arrangements can be made.

Copyright: Course materials, including, but not limited to, power point presentations, tests, recordings, and other materials, are protected by copyright. Dr. Weldon is the exclusive owner of copyright for all content created for the course. You may take notes and make copies of course materials for your personal use, but you may not reproduce or distribute notes or course materials publicly without my express written consent. Similarly, you own the copyright to your original coursework. If your instructor is interested in publicly disclosing your coursework, they will ask for your written permission.

Accommodations Policy: This course follows Towson University policies for students with disabilities. Students with disabilities in need of accommodations are encouraged to register with Accessibility & Disability Services (ADS). Students who suspect that they have a disability but do not have documentation are encouraged to contact ADS for advice on how to obtain appropriate evaluation. A memo from ADS authorizing your accommodation is needed before any accommodation can be made. Please see the ADS website for contact information and further details (https://www.towson.edu/accessibility-disability-services/).

Title IX Policy: Towson University (TU) is committed to ensuring a safe, productive learning environment on our campus that does not tolerate sexual misconduct, including harassment, stalking, sexual assault, sexual exploitation, or intimate partner violence. It is important for you to know that there are resources available if you or someone you know needs assistance. You may speak

to a member of university administration, faculty, or staff, but be aware that they have an obligation to report the incident to the Title IX Coordinator. If you wish to speak to someone who is permitted to keep your disclosure confidential, please seek assistance from the TU Counseling Center (https://www.towson.edu/counseling/) or locally from the community organization TurnAround, Inc. (https://www.turnaroundinc.org/). More information on Title IX can be found here: http://towson.edu/titleix.

Diversity Policy: Towson University values diversity and fosters a climate that is grounded in respect and inclusion, enriches the educational experience of students, supports positive classroom and workplace environments, promotes excellence, and cultivates the intellectual and personal growth of the entire university community. Should you feel that you are experiencing a negative environment related to diversity issues or cultural sensitivity, we encourage you to contact the Department. For more information, please see:
https://www.towson.edu/fcsm/departments/biology/diversity.html.

Emergency Policy: In the event of a University-wide emergency, course requirements, deadlines, and grading schemes are subject to changes that may include alternative delivery methods, alternative methods of interaction with the instructor, class materials, and/or classmates, a revised attendance policy, and a revised semester calendar and/or grading scheme. In cases of inclement weather or University-wide emergencies, alerts will be posted on the Towson homepage www.towson.edu and through the main University phone number: (410) 704-2000.

Student Support Funds: The Towson University Foundation has created the Student Emergency Fund, which has some funds available to assist students in purchasing hotspots, upgrading home internet, and other necessary technologies. For more information, see their website:
https://www.towson.edu/studentaffairs/care/student-emergency-fund.html

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ACADEMIC INTEGRITY

Dishonesty can seriously impair the progress of scientific research, in addition to harming public trust in the sciences. Students in BIOL 409 are expected to adhere to the highest standards of scientific and academic conduct. Any form of dishonesty on any graded work in this course is unacceptable. All assignments must be your own work within the limits established by the instructor. Failure to comply with these standards for any portion of a graded assignment will result in a grade of zero for the assignment and a report to the Office of Student Conduct and Civility Education as required by Towson University's Student Academic Integrity Policy. Report of a second violation of this policy by a student can result in suspension or expulsion from the University. For more information, please refer to the full Towson University academic integrity policy located online at: https://www.towson.edu/studentaffairs/policies/. If you are unclear on any matters covered here, please contact Dr. Weldon.

You are also expected to take an active role in encouraging other members of the community to respect those standards. Should you have reason to believe that a violation of academic integrity has occurred, you are encouraged to make the suspicion known to a member of the faculty or University administration. The remainder of this section details some academic integrity violations that are commonly encountered.

Cheating means using, attempting to use, and/or disseminating unauthorized materials, information, notes, videos, or other study aids in any academic exercise. This includes unauthorized communication of information during an exercise or exam. Some examples are:

- copying from another student's paper or receiving unauthorized assistance during any graded coursework
- using books, notes or other devices (e.g., calculators, phones, watches, laptops, or other internet enabled devices) when you are not authorized to do so
- procuring, without authorization, tests or examinations before the scheduled exercise (including discussion of the substance of examinations and tests when it is expected these will not be discussed)
- copying reports, laboratory work, computer programs or files and the like from other students
- unauthorized collaboration with other students on graded coursework
- collaborating on coursework without indication of the nature and extent of the collaboration
- using a substitute to take an examination, using solutions manuals, providing exam and assignment questions to student websites or using such a website to complete an assignment and/or exam (including free or pay websites that maintain textbook and/or instructor solutions)

To clarify, copying or collaborating with other students or using external resources, including other people, on any type of assignments that are expressly designed to be completed individually is cheating.

Recorded sessions and any associated materials are designated ONLY for registered students in the class. Any sharing or dissemination of recordings beyond the student body registered in the course and section constitutes a violation of privacy and may also be categorized as cheating or defamation of character (depending on the circumstance). It may also be classified as copyright infringement (see the **Copyright** statement under **Course Policies and Procedures**).

Complicity in Academic Dishonesty means helping or attempting to help another student commit an act of academic dishonesty. Some examples include:

- allowing another to copy from one's paper during an examination.
- distributing test questions or substantive information about the material to be tested without authorization before the scheduled exercise.
- collaborating on academic work that is expressly designed to be completed individually.
- taking an examination or test for another student
- signing a false name on an academic exercise
- sharing assignment or exam information before, during, or after the coursework is due in written, electronic, video, or verbal form.

*Please Note: Collaboration and sharing information are characteristics of academic communities. These only become violations when they involve dishonesty. Students should seek clarification from their instructor when in doubt.

Abuse of Academic Materials means destroying, stealing, or making inaccessible any resource materials for the course. Some examples include:

- stealing or destroying library or reference materials needed for common academic exercises.
- hiding resource materials so others may not use them.
- destroying computer programs or files needed in academic work.
- stealing or intentionally destroying another student's notes or laboratory experiments
- receiving assistance in locating or using sources of information in an assignment where such assistance has been forbidden by the instructor.

Generative AI Policy

Generative artificial intelligence (AI) is rapidly becoming integrated into modern life. In this course limited use of AI for completing your work is acceptable for the purposes of enhancing clarity and brainstorming ideas. **Your final submission, however, must be your own work.** Additionally, you must document and cite all use of AI in your submissions. Failure to adhere to these guidelines is a violation of the academic integrity policy. Please review the specific guidelines below and bring any questions or concerns to my attention.

Permitted Uses of Generative AI

1. Grammar and Style Assistance

Students may use generative AI tools to improve the grammar, syntax, and style of their written reports and assignments. This includes proofreading, suggesting alternative phrasings, and enhancing overall readability.

2. Collaborative Brainstorming

Generative AI can be used as a "virtual collaborator" for brainstorming ideas, generating hypotheses, or exploring potential experimental designs. Students must clearly indicate when AI has been used in this capacity and provide their own critical analysis of any AI-generated suggestions.

Prohibited Uses of Generative AI

1. Final Content Generation

Students are not permitted to use generative AI to produce final content for any graded assignments. All final written work, calculations, and conclusions must be the original work of the student. Please keep in mind that generative AI will often assert ideas that are not true, and will even sometimes fabricate information, such as sources and citations. It cannot be relied upon to prepare scientific content.

2. Data Analysis and Interpretation

While AI can be used to brainstorm approaches, the actual analysis and interpretation of experimental data must be performed by the student without AI assistance.

Documentation and Transparency

A citation including the specific AI program and date of usage is required for any submission using generative AI in any manner. In addition, students must maintain a log of their AI interactions related to coursework, including prompts used and AI-generated responses. This log must be submitted along with assignments to ensure transparency and academic integrity.

Consequences of Misuse

Violation of this policy will be considered academic dishonesty and may result in a failing grade for the assignment or course, as well as potential disciplinary action as per university policies.

Evolving Technology Clause

As AI technology rapidly evolves, this policy may be subject to change. Students will be notified of any updates to the policy throughout the course.

By following this policy, students can leverage the benefits of AI as a learning tool while maintaining the academic rigor and integrity expected in an upper-level course.

STUDENT CONDUCT & ACADEMIC COURTESY

The following rules exist to enhance your ability to learn in this class, to avoid disruption and distraction, and to improve the quality of the classroom experience. Failure to comply with these rules may result in grade penalization. Your instructor reserves the right to add to or modify these regulations at any time to enhance the learning experience.*

Discussion Board: The discussion board should be viewed as a course forum to discuss the readings, recordings, articles, and other course-related content. Your participation in the discussions will count toward your Class Participation grade (see **Grading Policies** below). The tone of all posts should be respectful and professional in nature.

- Treat other students, ULAs, and your instructor the same online as you would in person. Engage with others in a respectful manner.
- Keep in mind that written communication lacks the non-verbal cues we use to understand each other. It may be helpful to review what you write to ensure the message reads as intended.
- Remember the TU Student Code of Conduct in all online engagement.
- It is not appropriate to post statements of a personal or political nature, or statements criticizing classmates or faculty. Inappropriate statements/language will be deleted by course moderators.

Netiquette: Students in this course are expected to observe common rules of netiquette (Internet etiquette). These rules include but are not limited to:

- Proofread your message before you hit send.
- ALL CAPITALS is the same as shouting your message. Check your Caps Lock button.
- Don't flame - everyone is entitled to the right to speak their opinion. Respect the opinions of others.
- Make meaningful replies. Don't just agree - say why you agree. Or disagree, as the case may be - just do so respectfully.
- Follow the TU Student Conduct Code.
- Students who do not follow basic netiquette rules may be suspended from discussion board use.

Common Courtesy: When class begins, students should refrain from any activity that could be distracting to either the instructor or other students. Eating is not permissible during class time. Beverages are acceptable under most circumstances. Remember that tobacco products of any kind are not allowed on campus. All students should feel comfortable asking questions, discussing the material, and expressing opinions. Rude, intimidating, or disruptive behavior will not be tolerated and may be grounds for disciplinary action.

*Material in this section is adapted from the policies of University of Texas, Arlington.

GRADING POLICIES

Exams: There will be two mid-term examinations (Exam I & Exam II) during the semester and one final examination. The mid-term exams will be given during the lecture period and will each cover approximately one-third of the course material. Tentative examination dates, along with the course material they may cover, are listed in the **Lecture Schedule** (below). The final examination will be given during the University-designated final exam period. It will cover the final third of the course material, as well as revisiting material covered in previous exams. Questions on exams may include all material discussed in class or assigned outside of class. Typically, exam questions will be derived from concepts introduced during the lecture and class discussions. All exams will be given in person.

Missing an examination without prior approval will lead to a grade of 0 for that exam. In specific instances, an excusable absence may arise for reasons outside of a student's control. If this occurs, the student will be required to discuss alternative arrangements with the instructor. A make-up exam may be administered at your instructor's discretion. Students aware of a possible future conflict should contact their instructor as soon as possible.

Lecture Quizzes: Quizzes covering recent material will be given during the lecture period throughout the semester. Quizzes are typically scheduled (see **Lecture Schedule**), and will be given promptly at the start of class. Each student's lowest quiz score will be dropped from the final grade. Quizzes will be given in person, and may be provided online through Blackboard or on paper. *Please Note: No make-up quizzes will be given, but quizzes may be excused under appropriate circumstances. Contact your instructor to discuss absences.

Recitation Quizzes: Quizzes covering the recitation articles will be given throughout the semester. Quizzes are always associated with specific articles (see **Recitation Schedule**). A short preliminary quiz will be given prior to each article at the beginning of the recitation period for every new article, and a take-home quiz will be assigned after discussion of the article is complete. Your lowest quiz scores for each will be dropped from the final grade. All quizzes will be given online through Blackboard. *Please Note: No make-up quizzes will be given, but quizzes may be excused under appropriate circumstances. Contact your instructor to discuss absences.

Class Participation: It is essential that you actively participate in class activities and discussions. Participation includes, but is not limited to, asking or answering questions during lecture, actively contributing to small group discussions, and interacting with presenters. There is no substitute for the classroom experience – you will learn more from class activities and discussions than from reading the text. Please ask questions during lecture when a concept is not clear. Your instructor may call upon students without warning at any time during the class. Your *Class Participation* grade will be based on your active participation in course events, including but not limited to Recitation, Lecture, and course Discussion Boards. During the recitation period, students will be called upon randomly to describe and discuss figures from the articles. Students will be scored on their ability to interpret the figure being discussed.

Recitation Presentation: Students will be assigned to groups of 2-4 members in their recitation class period. Each group will be responsible for one of the articles we will be discussing in recitation, and be given the task of presenting the article to the class. The oral presentation must include slides that provides information on the article's background, hypothesis, techniques, and conclusions. Specific figures will be discussed in detail with the assistance of audience members. An information sheet will be provided to guide you through each article, and a rubric for the presentation will be posted to Blackboard.

Online Assessments: Some assessments may be administered online through Blackboard. When viewing, taking, or submitting assessments, students should make use of the **Firefox**, **Safari**, or

Chrome browsers to access Blackboard. Do not use Internet Explorer, Edge, or the Blackboard App. Previous experience has shown these programs to be prone to errors. Please keep in mind the academic integrity policy; unless otherwise specified, all assessments should be completed individually without access to external resources. If you have questions about assessments, please direct them to your instructor.

Extra Credit Policy: Multiple opportunities to earn extra credit will be offered throughout the semester at your instructor's discretion. A common example of an extra credit assignment will be to attend a scientific seminar, then write a summary and critique of the seminar. Assignments will vary in their value and grading criteria are entirely the preference of your instructor. Your instructor will make every effort to equitably distribute extra credit opportunities, but it is possible that some opportunities will conflict with student schedules. If you have an extra credit suggestion, please bring it to your instructor's attention. Please note that extra credit may not exceed 3% of a student's final grade (e.g. extra credit may increase a final grade of 84% to 87%, but no higher). Questions and concerns about extra credit should be brought to your instructor's attention as soon as reasonably possible. Your first extra credit assignment will be to visit your instructor during office hours and request a popsicle.

Grading: The final grade will be calculated based on multiple elements listed below. Opportunities for extra credit will also be provided throughout the semester.

Exams	40%
Lecture Quizzes	20%
Recitation Quizzes	20%
Recitation Presentation	10%
Class Participation	10%

Letter grades will be assigned as follows:

A	93 - 100%	B-	80 - 82%	D	60 - 65%
A-	90 - 92%	C+	76 - 79%	F	< 60%
B+	87 - 89%	C	70 - 75%		
B	83 - 86%	D+	66 - 69%		

Note: Final grades will be rounded up to the nearest integer (whole number). Fractional scores will not be given (e.g. a final grade of 79.3% will be treated as 80%).

How to contest grading: If you believe that any grade was given incorrectly, you have one week after the graded document is returned to provide a factual written rebuttal explaining why you think you deserve additional credit. Your rebuttal must be typed and delivered electronically to your instructor by email. Please give yourself time to collect your thoughts and develop a coherent argument to present.

LECTURE SCHEDULE

***Note**: This schedule is tentative and is subject to change. It is intended only as general course outline and may not reflect the final schedule.*

Day	Date	Lecture	Topic	Reading	Notes
Monday	25-Aug	1	Introduction	Syllabus	
Wednesda	27-Aug	2	Nucleotides & Nucleic Acids	8.1, 8.2	Quiz (Syllabus)
Monday	1-Sep	-	No Class		Labor Day Holiday - University Closed
Wednesda	3-Sep	3	Nucleotides & Nucleic Acids	8.3, 8.4	Quiz (Prerequisite Material); Add/Drop period ends 9/3
Monday	8-Sep	4	Methods & Technologies	9.1, 9.2	
Wednesda	10-Sep	5	Methods & Technologies	9.2, 9.3	Quiz (Lectures 1-4)
Monday	15-Sep	6	DNA Sequencing		
Wednesda	17-Sep	7	Genome Organization	24.1, 24.2	
Monday	22-Sep	8	Genome Organization	24.2, 24.3	
Wednesda	24-Sep	9	Wrap Up Part I Material		Quiz (Lectures 5-8)
Monday	29-Sep	-	Exam I		Lectures 1-9
Wednesda	1-Oct	10	Cell Cycle	12.11, 12.12	
Monday	6-Oct	11	DNA Replication	25.1	
Wednesda	8-Oct	12	DNA Replication	25.1	
Monday	13-Oct	13	DNA Repair	25.2	
Wednesda	15-Oct	14	DNA Repair	25.2	Quiz (Lectures 10-13)
Monday	20-Oct	15	DNA Recombination	25.3	
Wednesda	22-Oct	16	Transcription	26.1	
Monday	27-Oct	17	Transcription	26.1	
Wednesda	29-Oct	18	Wrap Up Part 2 Material		Quiz (Lectures 14-17);
Monday	3-Nov	-	Exam II		Lectures 10-18; W/Au deadline 11/3
Wednesda	5-Nov	19	RNA Processing	26.2	
Monday	10-Nov	20	RNA Processing	26.2	
Wednesda	12-Nov	21	RNA-dependent Processes	26.3	
Monday	17-Nov	22	The Genetic Code	27.1	
Wednesda	19-Nov	23	Protein Synthesis	27.2	Quiz (Lectures 19-22)
Monday	24-Nov	24	Protein Synthesis	27.2	
Wednesda	26-Nov	-	No Class		Thanksgiving Holiday Break - University Closed 11/25-
Monday	1-Dec	25	Gene Regulation	28.1, 28.2	
Wednesda	3-Dec	26	Gene Regulation	28.2, 28.3	
Monday	8-Dec	27	Wrap Up Part 3 Material		Quiz (Lectures 23-26)
Monday	15-Dec	-	Final Exam 10:15 AM-12:15 PM		Lectures 19-27, cumulative

RECITATION SCHEDULE

***Note**: This schedule is tentative and is subject to change. It is intended only as general course outline and may not reflect the final schedule.*

Week	Dates			Task	Reading	Topic
1	25-Aug	to	29-Aug	Introduction		Scientific Literature
2	**1-Sep**	**to**	**5-Sep**	**No meeting - Labor Day**		
3	8-Sep	to	12-Sep	Journal Club 0	Ben-David *et al*.	ULA Presentation
4	15-Sep	to	19-Sep	Journal Club 1A	Herb *et al*.	Group Presentation
5	22-Sep	to	26-Sep	Journal Club 1B	Herb *et al*.	Discussion
6	29-Sep	to	3-Oct	Journal Club 2A	Jinek *et al*.	Group Presentation
7	6-Oct	to	10-Oct	Journal Club 2B	Jinek *et al*.	Discussion
8	**13-Oct**	**to**	**17-Oct**	**Open Week - Meeting TBD**		
9	20-Oct	to	24-Oct	Journal Club 3A	Kapanidis *et al*.	Group Presentation
10	27-Oct	to	31-Oct	Journal Club 3B	Kapanidis *et al*.	Discussion
11	3-Nov	to	7-Nov	Journal Club 4A	Fire *et al*.	Group Presentation
12	10-Nov	to	14-Nov	Journal Club 4B	Fire *et al*.	Discussion
13	17-Nov	to	21-Nov	Journal Club 5A	Kimchi-Sarfaty *et al*.	Group Presentation
14	**24-Nov**	**to**	**28-Nov**	**No Meeting - Thanksgiving**		
15	1-Dec	to	5-Dec	Journal Club 5B	Kimchi-Sarfaty *et al*.	Discussion

BIOL 409 (*Molecular Biology*) Course Agreement
Fall 2025 (Sections 001, 002, & 003)

By signing my name below, I indicate that I have read and agree to the content of the course syllabus for BIOL 409 provided by Dr. Weldon. I understand my obligations and expectations for the course, and will maintain academic integrity as specified by this syllabus and Towson University policy.

Printed Name: _____

Signature: _____

Date: _____