



MATH 2415 - CALCULUS III

COURSE SYLLABUS

FALL 2026

08/20/2026-12/11/2026

DUAL CREDIT FACE-TO-FACE SECTION

Instructor: Neslihan Oguzman

Course and CRN: MATH 2415-PWE (CRN:85167)

Credit Hours: 4

Office Hours: Fridays 10:58AM to 11:45 AM (3rd Period) and 01:49PM to 02:36PM (5th Period)

University Email Address: Neslihan.Oguzman@etamu.edu

Preferred Form of Communication: Email

Communication Response Time: Student course-related questions or concerns sent by email are usually answered within 24 hours during weekdays, Monday through Friday.

Class Meeting Time: Monday-Tuesday-Wednesday-Thursday 10:58AM to 11:45 AM (3rd Period)
Monday-Tuesday-Wednesday-Thursday 01:49PM to 02:36PM (5th Period)

Class Location: Plano West Senior High School A 1205

Office Location: Plano West Senior High School A 1205

Final Exam: Will be given in two parts, Final Exam Part I Wednesday, December 9th, 2026, and Final Exam Part II Thursday, December 10th, 2026.

COURSE INFORMATION

Materials

Required Textbook: James Stewart, Daniel K. Clegg, and Saleem Watson, Calculus, 9th Edition, Cengage. ISBN-13: 978-1337624183. This course uses Chapters 12-16. All Power Point slides will be provided by the professor.

The expected content sequence is Sections 12.1-12.6, 13.1-13.4, 14.1-14.8, 15.1-15.9, and 16.1-16.9, with review or enrichment activities as appropriate.

Homework System: All homework will be assigned by the professor and will be posted in D2L.

Course Description: Advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem. Prerequisite: MATH 2414 with a minimum grade of C.

A TI-83/TI-84 or equivalent graphing calculator is recommended when appropriate. Three-dimensional graphing or computer algebra software may be used for designated learning activities. Calculators or software with symbolic algebra, CAS, or automatic problem-solving capabilities are not allowed on quizzes or exams unless explicitly approved by the instructor. See the Technology Requirements section for the full calculator policy.

Student Learning Outcomes

Course Learning Outcomes: Upon successful completion of this course, students should be able to:

1. Analyze and visualize curves, surfaces, and regions in two- and three-dimensions using Cartesian, cylindrical, and spherical coordinate systems.
2. Perform calculus operations on vector-valued functions, including limits, derivatives, integrals, arc length, curvature, and motion in space.

3. Analyze functions of several variables using limits, continuity, partial derivatives, directional derivatives, gradients, tangent planes, linear approximations, and the multivariable chain rule.
4. Find and classify extrema of functions of several variables, including constrained extrema using Lagrange multipliers, and evaluate multiple integrals and Jacobians.
5. Evaluate line and surface integrals, apply Green's Theorem, the Divergence Theorem, and Stokes' Theorem, and communicate solutions clearly in written, oral, and visual form.

Assessment of Course Learning Outcomes

The course learning outcomes will be assessed through a combination of homework assignments, labs, examinations, and the comprehensive final examination, as determined by the instructor.

COURSE REQUIREMENTS

Instructional Methods

Instruction in this section will include lectures, guided examples, class discussion, and individual or group problem-solving activities. Students are expected to review assigned materials, participate actively in class, and complete assigned work by the posted deadlines.

Students are expected to attend class, participate actively, complete assigned work by the posted deadlines, and communicate with the instructor when they need help or must miss class.

Course Evaluation Methods

This course will use the following assessments:

- Homework will be posted on D2L and will be due before each midterm exam.
- Four group labs will be used as in-class activities.
- Four short answer type midterm examinations.
- A comprehensive final examination.

Exams

Examinations will normally be administered in person during class or in another instructor-approved proctored setting. An alternative arrangement may be approved when required by official accommodation, a university-authorized absence, or a documented emergency.

Assessment	Tentative Date/Window	Review Session/Activity Date	Format/Length
Midterm Exam 1	09/17/2026	09/16/2026	47 min short answer
Midterm Exam 2	10/19/2026	10/15/2026	47 min short answer
Midterm Exam 3	11/09/2026	11/05/2026	47 min short answer
Midterm Exam 4	12/03/2026	12/02/2026	47 min short answer
Comprehensive Final Exam	12/09/2026 Part I	12/07/2026	Total of 94 min
	12/10/2026 Part II	12/08/2026	Multiple Choice

A review session, review worksheet, or other structured review activity will be provided before each midterm examination and before the final examination.

Examinations may include multiple-choice, true/false, short-answer, computational, and conceptual questions.

Make-up examinations are available only in case of a documented emergency, an approved university-authorized absence, or approved accommodation. Students should notify the instructor as soon as reasonably possible and provide documentation when required.

Homework, Quizzes, Activities, and Participation

Each homework submission and lab assignment must be the student's own work unless collaboration is explicitly allowed. Unauthorized collaboration, copied work, AI-generated solutions, online solvers, answer-sharing websites, symbolic algebra systems, or other unauthorized resources may be treated as academic misconduct.

Homework assignments will be available after each new section and will be cumulatively uploaded to D2L for grading. Students can ask questions about the homework assignments and instructor will provide clarifications.

Late homework will not be accepted unless an extension is approved because of a documented emergency, university-authorized absence, or approved accommodation.

Attendance and Engagement

Regular attendance in class is crucial for earning higher final grades. Active participation and engagement during class discussions are crucial to successful learning. The course material discussed during class is essential for demonstrating proficiency in the subject. Students are responsible for informing the instructor of absences and for making up missed work when allowed by course and university policy. Coordination with fellow students for class notes is recommended if a student cannot attend class. Consistent attendance and active participation will support success in this course.

Workload and Assistance

For this 4-credit course, students should plan to spend about 8 to 12 hours each week outside class reviewing notes, practicing problems, completing homework, and studying for assessments. Some weeks, especially exam weeks, may require more time; other weeks may require less. Students should attend office hours, use available tutoring resources, and contact the instructor when they need help.

GRADING

Final grades are determined according to the grading scheme stated in this syllabus. Students should regularly review the grades recorded in D2L or the official gradebook and promptly report any possible errors to the instructor. Course grades are based on the grading scale and assessment weights stated in this syllabus.

Instrument	Value / Policy	Total Weight
Homework	Each homework packet belonging to each chapter test will be provided in D2L. Each homework packet will be out of 100 points. At the end of the semester, average of 4 packet grades will be your overall homework grade.	15%
Labs	There will be four Labs. All labs will be done in groups, but each student is responsible for submitting the work separately. Each lab has 100 points. At the end of semester, average of those four labs will be your overall lab grade.	10%
Midterm Exams	4 exams will be given and lowest graded one will be dropped. Average of three highest test grades will be your overall test grade.	55%
Comprehensive Final Exam	It will be given in the week of December 7 th . First portion of the exam will be on Wednesday and second portion will be on Thursday.	20%
Total		100%

Grade Determination:

A = 89.5–100%; B = 79.5–89.4%; C = 69.5–79.4%; D = 59.5–69.4%; F = below 59.4%

Final grades are based on the grading system stated in this syllabus. No extra credit will be offered unless it is explicitly announced in writing by the instructor and made available under the same conditions to all students in the section.

TECHNOLOGY REQUIREMENTS

Students are expected to check their MyLeo email and D2L Brightspace announcements regularly. Students will need access to MyLeo, D2L Brightspace, and any required course software for course materials, announcements, assignments, and grades.

Students may need to scan handwritten work into a single PDF file when required. A scanner or a cell phone with a scanning app, such as Adobe Scan or a similar app, is acceptable. Phones may be used for scanning permitted homework or assignment submissions, but they may not be used during exams unless explicitly approved by the instructor.

Access to a printer is helpful for printing handouts, reviews, or practice exams. Access to Microsoft Word or compatible software may be helpful for typed assignments, reports, or project submissions.

A TI-83/TI-84 or equivalent graphing calculator is recommended when appropriate. Calculators or software with symbolic algebra, CAS, or automatic problem-solving capabilities are not allowed on quizzes or exams unless explicitly approved by the instructor. Calculator memory may be cleared before and after proctored exams.

For D2L/Brightspace technical issues, students should contact Brightspace Technical Support.

 EAST TEXAS A&M
ACCESS AND NAVIGATION

Students will need their campus-wide ID and password to log into MyLeo, D2L Brightspace, and other university systems. Students who do not know their campus-wide ID or have forgotten their password should contact the Center for IT Excellence.

Personal computer and internet connection problems do not excuse the requirement to complete all coursework in a timely and satisfactory manner. Each student should have a backup method for dealing with technology or internet problems. These methods might include a backup computer, a public library computer, an East Texas A&M campus computer lab, or another reliable backup location.

COMMUNICATION AND SUPPORT

Brightspace Support

Students who have questions or difficulties with the course material should contact the instructor. D2L Brightspace technical support is available 24 hours a day, seven days a week, at 877-325-7778. For university course-management support, students may contact Online@etamu.edu or 903-886-5511.

System Maintenance

D2L runs monthly updates during the last week of the month, usually on Wednesday. The system should remain up during this time unless otherwise specified in an announcement. Students may experience minimal impacts to performance and/or the look and feel of the environment.

Interaction with Instructor Statement

Student course-related questions or concerns sent by email are usually answered within 24 hours during weekdays, Monday through Friday. Feedback on assessments will generally be provided within 7 days after submission, except near the end of the term when final grade submission deadlines may require a different timeline. The primary communication with the class will be through official university email and D2L announcements. Students are responsible for checking both regularly.

Student Academic Resources

Students can access to Tutor.com through D2L for additional support.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures

Reporting D2L and Course-Software Technical Problems. Students should contact Brightspace Technical Support for D2L issues and the appropriate vendor support for third-party software issues. Students should document technical problems and email the instructor before the relevant deadline whenever possible. Technical issues reported after a deadline may not be accepted as a reason for late work. Personal computer or internet access problems are not a guaranteed excuse for missed coursework.

Syllabus Change Policy

The syllabus is a guide. Circumstances and events, such as student progress or differences between the university and high school calendars, may make it necessary for the instructor to modify some details during the semester. Changes will be announced in advance through university email, D2L announcements, and/or in-class announcements. Any changes will preserve the required course learning outcomes and overall topic coverage.

Academic Integrity

Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including but not limited to receiving a failing grade on the assignment, the possibility of failure in the course, and dismissal from the University. Since dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. Incidents of academic dishonesty may be reported according to university and department procedures.

In this course, unauthorized use of AI tools, online solvers, answer-sharing websites, symbolic algebra systems, or another person's work to complete quizzes, exams, homework, or submitted assignments is considered academic misconduct unless explicitly permitted by the instructor.

- **Cheating includes:** copying another student's work, communicating during an exam or assignment when not allowed, giving or seeking unauthorized aid, possessing or using unauthorized materials, or using an unauthorized test, draft, or answer key.
- **Plagiarism includes:** using someone else's work without appropriate acknowledgment or making slight variations in language without giving credit to the source.
- **Collusion includes:** collaborating with another person without authorization when preparing an assignment.

AI Use Policy

East Texas A&M University acknowledges that there are legitimate uses of Artificial Intelligence, ChatBots, or other software that has the capacity to generate text, or suggest replacements for text beyond individual words, as determined by the instructor of the course.

Any use of such software must be documented. Any undocumented use of such software constitutes an instance of academic dishonesty (plagiarism).

Individual instructors may disallow entirely the use of such software for individual assignments or for the entire course. Students should be aware of such requirements and follow their instructors' guidelines. If no instructions are provided, the student should assume that the use of such software is disallowed.

In any case, students are fully responsible for the content of any assignment they submit, regardless of whether they used AI in any way. This specifically includes cases in which the AI plagiarized another text or misrepresented sources.

13.99.99.R0.03 Undergraduate Academic Dishonesty

13.99.99.R0.10 Graduate Student Academic Dishonesty

East Texas A&M University Supports Students' Mental Health

The Counseling Center at East Texas A&M University, located in the Halladay Student Services, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, students should consult the Counseling Center website or D2L resources.

ADA Statement

The Americans with Disabilities Act is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. Students who need disability-related accommodations should contact Student Disability Services, Velma K. Waters Library, Suite 162, at 903-886-5150 or StudentDisabilityServices@etamu.edu. The fax number is 903-468-8148.

Students are encouraged to request accommodation letters near the beginning of the semester because accommodations are not retroactive.

Website: <https://www.etamu.edu/student-disability-services/>

Student Conduct

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the Student Handbook and Student Code of Conduct.

Student Handbook: <https://www.etamu.edu/student-handbook/>

Student Code of Conduct: <https://www.etamu.edu/student-code-of-conduct/>

ETAMU Attendance

It is expected that students follow the guidelines set forth by the Class Attendance Policy in the current Undergraduate or Graduate Catalog, as applicable. Regular attendance and active participation are expected. Students who must miss class because of a university activity or documented emergency should notify the instructor in writing as early as possible.

If students represent an athletic team for this university, a departmental team, scholastic team, choir, or other group and must miss class or coursework, they should notify the instructor in writing with appropriate documentation as early as possible.

Copyright Policy

The handouts used in this course are copyrighted. By "handouts," I mean all materials generated for this course, which include but are not limited to syllabi, lecture notes, quizzes, exams, in-class materials, review sheets, projects, and problem sets. Because these materials are copyrighted, students do not have the right to copy and distribute the handouts without permission.

Nondiscrimination Notice

East Texas A&M University provides non-discriminatory working, learning, and living environments for all members of the university community. East Texas A&M provides equal opportunity to all employees, students, applicants for employment or admission, and the public regardless of race, color, sex (including pregnancy and related conditions), religion, national origin, age, disability, genetic information, veteran status, sexual orientation, gender expression, or gender identity. The university will promptly, thoroughly, and fairly investigate complaints of discrimination, harassment, and related retaliation in accordance with applicable system policy, university rules and procedures, and federal and state law.

Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in East Texas A&M University buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed



handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and East Texas A&M Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the Carrying Concealed Handguns On Campus document and/or consult your event organizer.

<https://inside.tamuc.edu/aboutus/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all East Texas A&M campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

COURSE OUTLINE /TENTATIVE CALENDAR

The following schedule lists the planned topic sequence, review activities, and assessment dates for this section.

Week	Dates	Topics / Assessments
Week 1	08/20/2026	Chapter 12: Vectors and the Geometry of Space Section 12.1 First Day of Classes 08/20/26
Week 2	08/24/26	Sections 12.2-12.3-12.4
Week 3	08/31/26	Sections 12.5-12.6 09/04/2026 CENSUS DAY
Week 4	09/07/26	Labor Day NO SCHOOL 09/07/2026 Chapter 13: Vector Functions Sections 13.1-13.2
Week 5	09/14/26	Sections 13.3-13.4; Review for Test 1 09/16/2026 Test 1 09/17/2026
Week 6	09/21/26	Chapter 14: Partial Derivatives Sections 14.1-14.2
Week 7	09/28/26	Sections 14.3-14.4
Week 8	10/05/26	Sections 14.5-14.6 ETAMU Fall Break No Class 10/08/2026
Week 9	10/12/26	Sections 14.7-14.8 PISD student break. All lectures will be asynchronous.
Week 10	10/19/26	Review for Test 2 10/19/2026 Test 2 10/20/26 Chapter 15: Multiple Integrals Sections 15.1-15.3
Week 11	10/26/26	Sections 15.4-15.6
Week 12	11/02/26	Sections 15.7-15.9; Review for Test 3 will be 11/05/2026

Week	Dates	Topics / Assessments
Week 13	11/09/26	Test 3 11/09/26 Chapter 16: Vector Calculus Sections 16.1-16.3
Week 14	11/16/26	Sections 16.4-16.6
Week 15	11/23/26	Thanksgiving week. Asynchronous lecture will be provided Section 16.7-16.8
Week 16	11/30/26	Section 16.9 Review for test 4 12/02/2026 Test 4 12/03/26
Finals	12/07/26	Review for Final Exam on Monday (12/07/2026) and Tuesday (12/08/2026) Comprehensive Final Exam will be given in two days Wednesday (12/09/2026) and Thursday (12/10/2026)

This schedule is subject to change by the instructor. Changes will be communicated through university email, D2L announcements, and or in-class announcements.