



NORTHWEST FLORIDA STATE COLLEGE

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INSTRUCTOR INFORMATION

- Professor: Mr. Joseph Wojciechowski
- Email: wojciechowj@nwfsc.edu
- Phone: N/A
- Office Hours: By appointment in person or via Zoom
- Office Location (Campus/Building/Room): N/A

INSTRUCTOR COMMUNICATION

Your NWFSC email is the official communication medium of the College. Please check your College email regularly for any class and College notifications.

COURSE INFORMATION

- Course Name and Number: Mathematical Thinking/MGF 1130 CRN 20666
- Class Location (Campus/Room): Crestview/133
- Class Modality: Lecture
- Class Days: Monday and Wednesday
- Class Times: 12:30 pm -1:45 pm
- Online Classroom with Gradebook: [Canvas class shell](#)
- Final Exam: Enter day or week

COURSE DESCRIPTION

In this course, students will utilize multiple means of problem solving through student-centered mathematical exploration. The course is designed to teach students to think more effectively and vastly increase their problem-solving ability through practical application and divergent thinking. This course is appropriate for students in a wide range of disciplines/programs.

COURSE-LEVEL STUDENT LEARNING OUTCOMES

- STUDENTS WILL DETERMINE EFFICIENT MEANS OF SOLVING A PROBLEM THROUGH INVESTIGATION OF MULTIPLE MATHEMATICAL MODELS.
- STUDENTS WILL APPLY LOGIC IN CONTEXTUAL SITUATIONS TO FORMULATE AND DETERMINE THE VALIDITY OF LOGICAL STATEMENTS USING A VARIETY OF METHODS.
- STUDENTS WILL APPLY MATHEMATICAL CONCEPTS VISUALLY AND CONTEXTUALLY TO REPRESENT, INTERPRET AND REASON ABOUT GEOMETRIC FIGURES.

- STUDENTS WILL RECOGNIZE THE CHARACTERISTICS OF NUMBERS AND UTILIZE NUMBERS ALONG WITH THEIR OPERATIONS APPROPRIATELY IN CONTEXT.
- STUDENTS WILL ANALYZE AND INTERPRET REPRESENTATIONS OF DATA TO DRAW REASONABLE CONCLUSIONS.

COURSE PREREQUISITES

Students who are exempt from placement testing may enroll in this course with no prerequisites.

Students who are NOT exempt from placement testing may meet the prerequisite through any one of the following:

- 1) 114 or higher on the math section of the PERT or
- 2) Successful completion of MAT 0022 or MAT 0028 with a grade of “C” or better

COURSE MATERIALS

TEXTBOOK

LINK TO TEXTBOOK: [NWFSC MGF 1130 Mathematical Thinking Textbook.pdf](#)

CALCULATOR POLICY

Scientific calculator is strongly recommended for this course.

OTHER MATERIALS

LINK TO HOMEWORK AND OTHER MATERIALS: [MYOPENMATH - MATHEMATICAL THINKING\(\)](#)

ASSIGNMENT SCHEDULE: Tentative Class Schedule and Assignments:

Week Beginning Date	Material Covered	Notes
01/05/26	Introduction, Module 1: Number Theory	
01/12/26	Module 1: Number Theory	
01/19/26	Module 1: Number Theory	Martin Luther King Day 01/19/24 No class
01/26/26	Exam # 1 01/28/2026	
02/02/26	Module 2: Problem Solving	
02/09/26	Module 2: Problem Solving	
02/16/26	Exam # 2: 02/18/26	
02/23/26	Module 3: Geometry	
03/02/26	Module 3: Geometry	
03/09/26	Exam # 3: 03/11/26	
03/16/26	SPRING BREAK	No Class
03/23/26	Module 4: Set Theory	
03/30/26	Module 4: Set Theory	
04/06/26	Exam # 4: 04/08/26	
04/13/26	Module 5: Logic	
04/20/26	Module 5: Logic	
04/27/26	Exam #5: 04/29/26	
05/04/26	Final Exam	

STUDENT EXPECTATIONS AND RESOURCES

NWFSC aims for excellence in education and scholarly pursuits. Campus policies and procedures support this goal by protecting the health, safety, welfare, and property of the College and its students. To view all campus policies, please see the [college catalog](#). Several essential policies are provided below.

NWFSC POLICY	DESCRIPTION
Academic Integrity	Students are expected to behave responsibly as members of the College community and be honest and forthright in their academic endeavors. They are also expected to behave professionally and refrain from disrupting other students' learning environments.
Accommodations	The Accommodation Resource Center at Northwest Florida State College is committed to providing equal access and opportunities for educational success to all students with disabilities as guided by the American Disabilities Act and other disability-related laws.
Attendance	Regular attendance and participation in the course is expected.
Tutoring Services	Tutoring services are available in person and online.
Counseling Services	All actively enrolled students can receive an initial assessment and up to five therapeutic sessions with a Behavioral Health provider at no cost to the student.
Student Code of Conduct	Students are expected to adhere to the rules, regulations, and policies outlined in the Student Code of Conduct.
Student Complaints	NWFSC desires to resolve student grievances, complaints, and concerns expeditiously, fairly, and in an amicable manner. A student who desires to resolve a grievance may initiate the resolution process using the information in the link provided to the left.
Student Rights and Responsibilities	Understanding your role as a student.

MAKE-UP WORK

Absolutely no make-up tests or quizzes will be given. Students are expected to adhere to the test schedule in this syllabus and must adjust their personal matters accordingly. If a student misses a

test, then the instructor does not assign a score for the missed test. With approved documented justification from the student, the instructor will record the student's final exam grade in place of the missed test score; otherwise, a zero score will be assigned. This arrangement is only available once per student per class.

ASSIGNMENTS, GRADING SCHEME AND PROCEDURES

Assignments

Assignment Category	Points/Percentage of Grade	Due Date
Exams (5)	70 % of grade	Exam #1: 01/28/26 Exam #2: 02/18/26 Exam #3: 03/11/26 Exam #4: 04/08/26 Exam #5: 04/29/26
Homework (5)	15% of grade	Homework #1: 01/28/26 Homework #2: 02/18/26 Homework #3: 03/11/26 Homework #4: 04/08/26 Homework #5: 04/29/26
Final Exam (optional)	20% of grade	Week beginning 05/04/26
Total	100	

Grading Scheme

Grade	Range
A	90 – 100 %
B	80 – 89 %
C	70 – 79 %
D	60 – 69 %
F	59 and less %

OTHER IMPORTANT INFORMATION

TECHNICAL SKILLS AND SPECIALIZED TECHNOLOGY

This course requires internet access. Notes, study guides and homework assignments are all in the course shell. In addition to baseline word processing skills students will need to be able to send/receive emails with attachments. If you encounter technology challenges using course resources in the Learning Management System, email the Center for Innovative Teaching and Learning at online@nwfsc.edu or call 850-729-6464.

EMERGENCY COLLEGE CLOSURE

This course's schedule, requirements, and procedures are subject to change in the event of unusual or extraordinary circumstances. If the College closes for inclement weather or another emergency, any exams, presentations, or assignments previously scheduled during the closure period will automatically be rescheduled for the first regular class meeting held once the college reopens. If changes to graded activities are required, students will not be penalized due to the adjustments but will be responsible for meeting revised deadlines and course requirements.

ACADEMIC INTEGRITY TOOLS

Northwest Florida State College subscribes to Turnitin, an online plagiarism detection and prevention service. By enrolling in this class, students consent to upload their papers to Turnitin, where they will be checked for plagiarism. Papers submitted to Turnitin may be saved as source documents within these databases to detect plagiarism in other papers. Please note: All assignments submitted in this course are analyzed for plagiarism and originality.

ACADEMIC CONTINUITY PLAN

NWFSC is dedicated to protecting the health and well-being of its students, staff, and faculty. The College is dedicated to working with faculty and students to ensure timely course and program completion during emergencies. In the event of a College closure, the format of this course may be modified to enable completion of the course through other means, including but not limited to online course delivery through online classrooms. Check your RaiderNet College email and LMS classroom online for any updates.

WELCOME TO CLASS

Thank you for choosing NWFSC for your education—and welcome to class!