

Arkansas State University-Newport's mission is to provide an accessible, affordable, quality education that transforms the lives of our students, enriches our communities, and strengthens the regional economy.

## MATH2113: Math for Teachers I

**Course Description:** Sets, logics, and numbers with emphasis on the axiomatic development of the real numbers. For elementary education majors only. This course may not be used to satisfy general education requirement.

**Prerequisites:** with a "C" or higher MATH1023 College Algebra

**Course Type:** Lecture

**Instructor Name:**

**Office:**

**Office Phone:**

**Email:**

**Office Hours:**

### Department Information

Course Department:

Academic Department:

Academic Coordinator:

Email:

Associate Dean:

Associate Dean Contact Number:

Email

### MATERIALS: REQUIRED AND OPTIONAL

**Required Text(s):** Mathematics for Elementary School Teachers. **Author:** Fierro, Ricardo D., **Publisher:** Cengage Learning, **ISBN:** 978-0-538-49363-5

### Required Materials:

- 1) Hands-On Standards Ready to Teach Mathematics Toolkit, Elementary Grades. **Author:** hand2mind, **Publisher:** ETA hand2mind, **Website:** hand2mind.com, **Product Type:** Manipulatives (Math) Grade K – 6, **Item Number:** IN79616
- 2) ASUN campus email and "Canvas" username and password
- 3) Access to a computer (desktop or laptop, PC/Mac/Linux) with reliable internet access and equipped with Microsoft Word, Microsoft PowerPoint, and Adobe Acrobat Reader.
- 4) Access to a printer to print PowerPoints, notes and homework assignments.
- 5) A scientific calculator (nothing fancy; just something in the \$10 to \$20 range will work). You will not be allowed to use your phone, tablet, or laptop as a calculator in this course.

**Optional Materials:** Library resources

### Institutional Learning Outcomes

Upon graduating from ASU-Newport with any Associate Degree, a student will be proficient in the following:

#### ILO1: Communication

Goal: Students will express ideas, knowledge, and concepts in a clear and concise manner.

- a) Written
- b) Verbal
- c) Interpersonal

**ILO2: Reasoning**

Goal: Students will apply reasoning skills in a variety of environments, which demonstrate problem-solving and applied knowledge.

- a) Explore
- b) Locate
- c) Interpret
- d) Evaluate
- e) Apply

**ILO3: Responsibility**

Goal: Students will participate in service activities that instill in them a sense of social responsibility.

- a) Civic
- b) Academic
- c) Financial

**INSTITUTIONAL GRADING SCALE**

Grading Scale:

- A: 90-100
- B: 80-89
- C: 70-79
- D: 60-69
- F: 0-59
- S: Satisfactory
- U: Unsatisfactory

**AMERICANS WITH DISABILITIES ACT COMPLIANCE**

In order to obtain appropriate disability related accommodations and services to which they are entitled, students with documented disabilities should voluntarily and confidentially provide the Office of Disability Services (870-512-7838 or [disabilityservices@asun.edu](mailto:disabilityservices@asun.edu)) with appropriate medical documentation regarding the nature and extent of their disability, make their needs known to this Office and follow established procedures for acquiring needed services and accommodations in the classroom or online.

**INFORMATION TECHNOLOGY SERVICES**

If you experience any problems or issues with Canvas, MyCampus, or other equipment, please contact ITS at 870-512-7783 or <http://its.asun.edu>. Canvas also has a 24/7 live chat. This is a valuable resource for those late-night tests or assignments that just do not seem to work properly.

ASU-Newport provides a number of different services to assist students in areas that directly impact their academic success. The following direct websites will help you get in touch with those services that may be needed during your time as an ASUN student:

Academic Support Center: <http://academicsupport.asun.edu>

Financial Aid: <http://financialaid.asun.edu>

Career Pathways: <http://pathways.asun.edu>

University Police: <http://cpd.asun.edu>

Information Technology Services: 512-7783 or [its@asun.edu](mailto:its@asun.edu)

Disability Services: [http://www.asun.edu/disability\\_services](http://www.asun.edu/disability_services)

Admissions: <http://admissions.asun.edu>

**ACADEMIC DISHONESTY** (as stated in the Student Handbook)

ASU-Newport enthusiastically promotes academic integrity and professional ethics among all members of the ASU-Newport academic community. Violations of this policy are considered serious misconduct and may result in disciplinary action and severe penalties. Cheating in any form-including plagiarism, turning in assignments prepared by others, unauthorized possession of exams - may result in the student being dropped from the class with an "F" and/or being suspended from the College. Students who feel they have been unfairly accused of cheating may appeal to the Associate Dean of General Education.

**CAMPUS SAFETY INFORMATION**

What to know and do to be prepared for emergencies at ASUN:

Last name of Faculty, Semester

- Opt-in to receive ASUN’s School Messenger notifications regarding weather closings, emergencies, and other important notifications. All currently enrolled students will receive an email within the first two weeks of the semester prompting them to Opt-in to the messaging system.
- Know the safe evacuation route from each of your classrooms. Emergency evacuation routes are posted in on-campus classrooms.
- Listen for and follow instructions from your instructor or other designated authorities.
- For additional emergency information see the ASUN Emergency Response Guide in the Portal under “More” then select “Department of Safety”.
- Know the emergency phone number for ASUN Campus Police or dial 911.
- Report suspicious activities and objects found on campus.
- Keep your permanent address and emergency contact information current in My Campus.

**INCLEMENT WEATHER**

In the event of inclement weather, class cancellation is left to the discretion of the Chancellor. You will be notified of class cancellation on the university website, through news media, and through our school messaging system.

**CHILDREN IN THE CLASSROOM:**

ASUN classroom policy requires that the learning environment should be free of distraction in order to provide the highest learning opportunity for all students. In this light, students should not bring children to the classroom. If you must bring a child on campus, please have your child properly supervised in the public gathering areas.

**COURSE LEARNING OUTCOMES**

Upon the successful completion of this course, students will be proficient in the following:

Learning Outcomes	Assessment
Course Parameters	
Demonstrate an ability to utilize critical thinking skills by solving problems and application.	
Analyze sets and function and the operations of sets and functions.	
Demonstrate an understanding of the whole number system and their algorithms.	
Apply basic mathematical principles to understand number theory.	

**MASTER SUMMATIVE ASSESSMENT (MSA)** - All Mathematics courses now require a Master Summative Assessment (MSA) assignment, which determines whether or not a student has achieved all of the learning outcomes of the course. For this course, the Master Summative Assessment assignment is a comprehensive Final Exam. Students who do not participate and complete the exam will not be eligible to receive a passing grade for the course. Additionally, although the grade students earn for the Final Exam and related assignments will have a significant effect on his or her grade, completion and success on this portion of the course grade will not guarantee a student a passing grade for the course, as the overall course grade is subject to a composite, as shown above.

**Course Policies and Procedures**

**Academic Calendar**

**Disclaimer**

This syllabus and all documents associated with the syllabus are considered a contract between the student and the instructor. Students are expected to carefully read and review the syllabus and all associated documents in order to be familiar with course expectations and policies. This syllabus is subject to change at the discretion of the instructor, who will inform students of any changes. Students are responsible for keeping up with any changes.