

**Syllabus**  
**Math 220–Proofs and Problem Solving**  
**Section 01**  
**Spring 2021**

<b>INSTRUCTOR INFORMATION</b>
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Instructor: Dr. Andrew Incognito  
Office: None  
Telephone: None  
E-mail: aincogni@coastal.edu  
Office Hours: MWF 11:00-12:00 , Tu 1:00-3:00, Th 2:00 -3:00 and by appointment  
Course webpage: ww2.coastal.edu/aincogni

**Text:** *Mathematical Reasoning*, by Ted Sundstrom

Free PDF available at <https://www.tedsundstrom.com/mathematical-reasoning-writing-and-proof>

**Course Objectives:** This course will cover mathematical concepts such as mathematical reasoning (logic), sets, functions, number theory, equivalence relations and cardinality. We will use these concepts to develop the ability to prove mathematical statements using various techniques, including such as a direct proof, proof by contradiction, counter-example, and mathematical induction.

**Homework:** A selection of problems will be collected and graded on a weekly basis.

**Exams:** There will be three exams and a cumulative final exam. Your lowest exam score will be replaced by your final exam score (assuming it is better).

**Grade Policy:** Your course grade will be weighted as follows.

Homework	15%
Three Exams	20% each
Final Exam	25%

**Grade Scale:**

A: 90-100	B+: 86-89	B: 80-85	C+: 76-79
C: 70-75	D+: 66-69	D: 60-65	F: below 60

**Class Attendance:** The attendance policy for this course is the same as the attendance policy outlined in the university catalog. Note that absences, whether excused or not, do not absolve you from your responsibility to keep informed concerning all assignments made. Please get the notes from any class missed from another student. All assignments will be posted on the course web page.

**Important Dates:**

Friday, March 12	Last day to drop w/ grade of “W”
April 2-9	Spring Break
Friday, May 8	Last day of classes

**Students with Disabilities:** Any student with a documented disability needing academic adjustments or accommodations is requested to speak with me during the first week of class. All discussions will remain confidential.

**Statement of Student Conduct:** Coastal Carolina University is an academic community that expects the highest standards of honesty, integrity and personal responsibility. Members of this community are accountable for their actions and reporting the inappropriate action of others and are committed to creating an atmosphere of mutual respect and trust.