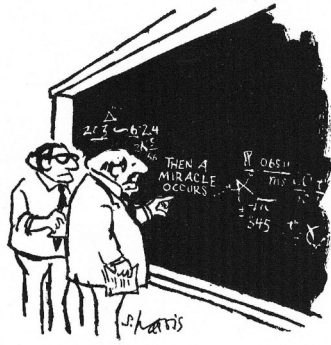


**Instructor** Shaun Ceci  
**Email** scec@memphis.edu  
**Office** Dunn 145  
**Office hours** after class or by appt.  
**Class** Dunn 251  
**Class hours** MTWRF 10:50–12:30  
**Website** www.shaunceci.com/math



"I think you should be more explicit here in step two."

## Basics

### Prerequisites

MATH 3242, or one of MATH 2701/2702 – i.e. an introduction to elementary proof methods.

### Materials

- Pencil with a good eraser (please don't use pens on exams)
- *Elementary Number Theory*, 6<sup>th</sup> ed. by David M. Burton

### Website

All handouts, homework assignments, and class announcements (such as cancellation of class) can be found on the course website ([www.shaunceci.com/math](http://www.shaunceci.com/math)) on the morning of the lecture.

## Policies

### Attendance

As this is a summer course, attendance is crucial. If absent, you are responsible for obtaining lecture notes from another student. Frequent tardiness is unacceptable.

### Noise

Personal conversations aside, I encourage everyone to ask questions and actively participate in the class. All electronic devices (cells, pagers, etc.) need to be turned off prior to class. The use of earphones during class is not permitted.

### Exams

The use of calculators is allowed (no cellphone calculators), but the sharing of calculators is not.

**Make-up exams will not be offered for any reason.**

### Cheating

Dishonest academic conduct on any assignment will result in an **irreplaceable zero**. No exceptions.

## Curriculum

### Textbook

This course uses a textbook not a reference book. You are expected to read every section covered.

### Grading

There will be five homework assignments, a midterm exam, and a final exam. The homework assignments will be worth 40 points apiece. Each exam will consist of in-class (IC) and take-home (TH) portions worth 100 points apiece. The final will not be comprehensive. Final grades will be calculated according to the following scale:

|                     |                     |                   |
|---------------------|---------------------|-------------------|
| A: 525 – 600 points | C: 405 – 464 points | F: 0 – 344 points |
| B: 465 – 524 points | D: 345 – 404 points |                   |

## Tentative Schedule

|                     |  |                    |                                 |
|---------------------|--|--------------------|---------------------------------|
| <b>June 8 (M)</b>   | Syllabus, Brief proofs refresher       | <b>June 24 (W)</b> | 4.3                             |
| <b>June 9 (T)</b>   | 1.1                                    | <b>June 25 (R)</b> | 4.4                             |
| <b>June 10 (W)</b>  | 1.2                                    | <b>June 26 (F)</b> | 5.2, <b>HW 3 due</b>            |
| <b>June 11 (R)</b>  | 2.2                                    |                    |                                 |
| <b>June 12 (F)</b>  | 2.3, <b>HW 1 due</b>                   | <b>June 29 (M)</b> | 5.3                             |
|                     |  | <b>June 30 (T)</b> | 6.1                             |
| <b>June 14 (Su)</b> | <b>Last day to drop</b>                | <b>July 1 (W)</b>  | 7.2                             |
| <b>June 15 (M)</b>  | 2.4                                    | <b>July 2 (R)</b>  | 7.3, <b>HW 4 due</b>            |
| <b>June 16 (T)</b>  | 2.5                                    | <b>July 3 (F)</b>  | <b>No class</b>                 |
| <b>June 17 (W)</b>  | 3.1                                    |                    |                                 |
| <b>June 18 (R)</b>  | 3.2                                    | <b>July 6 (M)</b>  | 8.1                             |
| <b>June 19 (F)</b>  | 3.3, <b>HW 2 due, Midterm TH given</b> | <b>July 7 (T)</b>  | 8.2                             |
|                     |  | <b>July 8 (W)</b>  | Catch-up, <b>Final TH given</b> |
| <b>June 22 (M)</b>  | <b>Midterm IC given, TH due</b>        | <b>July 9 (R)</b>  | Catch-up, <b>HW 5 due</b>       |
| <b>June 23 (T)</b>  | 4.2 ( <b>Last day to withdraw</b> )    | <b>July 10 (F)</b> | <b>Final IC given, TH due</b>   |