

## SYLLABUS: COMBINATORICS MATH 7235/8235 SPRING 2018

### 1. COURSE DETAILS

Instructor: Associate Professor Dr. David J. Grynkiewicz

Office: Dunn Hall 376

Office Hours: TR 11:15 – 12:15 and by appointment

Webpage: [www.diambri.org](http://www.diambri.org)

University of Memphis Email: [djgrynk@...](mailto:djgrynk@...)

Location: Dunn Hall 231

Time: TR 9:40 – 11:05

Final Exam: Tuesday 5/1/2018 10:30 – 12:30

Textbook: *A Course in Combinatorics, 2nd Edition* by **Van Lint** and **Wilson**, with additional material in Combinatorial Number Theory taken from *Structural Additive Theory* by **Grynkiewicz** .

**Summary.** This is an introductory graduate level topics course in Combinatorics. We will cover a selection of topics from the textbook of Van Lint and Wilson, the precise topics depending on student preference, with the end of the semester containing some material in Combinatorial Number Theory taken from the textbook of Grynkiewicz.

**Course Format.** The course will have a seminar format, meaning there will be more emphasis on attending lectures and asking questions, with a limited amount of homework given during the semester. Final evaluation will be based on student presentations at the end of the semester.

**Grading Scheme.** Percentage of classes attended (20%), Homework Average (20%), Final Presentation (60%). Excused absences will not count against a student's attendance

Students may collaborate and help each other on the homework, but each student must write up the solution independently, in their own words and unaided. Simply transcribing someone else's solution can have serious consequences.