Math 820 Spring 2017

Partial Differential Equations

Lectures: MWF 11:00-11:50

Instructor: Chanwoo Kim

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Office hours: Monday 9:00-11:00

Text Book: Evans’ PDE (2nd edition) and Lieb-Loss’s Analysis (2nd edition)

Syllabus: We cover the following material from the Evans’ book:

- Linear evolution equations (Chapter 7 in Evans)
- Calculus of variations (Chapter 8 in Evans)
- Nonvariational techniques (Selected sections of Chapter 9 in Evans)
- Special topics

Comments: Students are encouraged to read Chapter 5 Sobolev spaces before the semester.

Homework: HW problems will be assigned on the webpage. (will be collected (approximately) every month)

Exams: One final take-home exam

PDE Seminar: We have an active seminar of PDE every Monday 3:30-4:30 at VV901.