

- Field theory [2-3 weeks]:
Definition and examples, field extensions, finite fields.

- Galois theory [2-3 weeks]:
Galois extensions, roots of unity, solvability.

Total: 14 classes and 1 feedback

【履修要件】

It is helpful to know basics in linear algebra, but not required.

【成績評価の方法・観点】

The evaluation consists of the following weighted parts:

- Performance in class (20%).
- Presentation (60%): Each student reviews a mathematical topic assigned by the instructor.
- Report (20%): An essay on the topic of presentation.

【教科書】

D. Dummit and R. Foote 『Abstract Algebra』 (Wiley; 3rd edition) ISBN:9780471433347

There is no need to purchase the textbook in advance. The details will be explained in the first class.

【参考書等】

(参考書)

Other supplemental materials will be introduced during the classes.

【授業外学修(予習・復習)等】

Along with preparation and review, students are encouraged to form study groups.

【その他(オフィスアワー等)】