

Questionnaire for “Algebraic Number Theory 3”

I. Personal information:

First name:

Last name:

(Expected) thesis topic:

Email address:

Grade:

Credits required:

Yes

No

II. Backgrounds:

Algebraic number theory 1 (unique factorisation of ideals, finiteness of the class group, Dirichlet unit theorem)

Algebraic number theory 2 (local class field theory)

Modular forms

Elliptic curves

Automorphic representations

Algebraic geometry

III. Topic interested:

Global class field theory, Tate thesis

Iwasawa theory, p-adic L function

Epsilon factor, converse theorem

Shimura varieties and canonical models

Advanced research course (e.g. Gan-Gross-Prasad conjecture, coherent cohomology of Shimura varieties...)

Others (please precise)