

Graduate course – Geometric methods in representation theory

Schedule (provisional). Dates of lectures: 04/14, 04/21, 04/28, 05/12, 05/19, 05/26, 06/02, 06/09, 06/16, 06/23, 06/31, 07/07, 07/14, 07/21, 07/28.

Grading. Three homework assessments will be given. The grade will be computed based on the result to these assessments.

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References.

- William Crawley-Boevey, *Geometry of representations of algebras*. Lecture notes, available online at <https://www.math.uni-bielefeld.de/~wcrawley/geomreps.pdf>.
- Alexander Jr. Kirillov, *Quiver representations and quiver varieties*. Graduate Studies in Mathematics, 174. American Mathematical Society, Providence, RI, 2016.

Website. <http://www.math.nagoya-u.ac.jp/~demonet>