## Minicourse on quasiconformal surgery

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This course will consist of 9 lectures, introducing students to quasiconformal surgery techniques in complex dynamics. A basic knowledge of complex analysis and complex dynamics is assumed. The course will have three major units:

- Definitions and properties of quasiconformal maps (2-3 lectures)
- Quasiconformal surgery, basic theory and selected applications, with an emphasis on analysis of parameter spaces (3-4 lectures)
- Teichmüller theory and Thurston maps (3-4 lectures)

Every lecture will have associated exercises, and the plan is to incorporate discussion/problem sessions into the course.