

Exercises in Organic Chemistry

Lecture-Nr.: 53790

Type: practical course

Duration: 3 weeks

Method of Assessment: written examination

ECTS Credit Points: 12

Topics:

The exercises in organic chemistry are the second part of the integrated course package in the 3rd semester (winter) and in the 4th semester (summer). They will be performed in study groups.

Teaching will focus on the design and practical use of several chemical methods for the synthesis of molecules of interest. The students receive an introduction into elemental methods of purification and analysis of the respective compounds, as distillation, crystallization and column chromatography, guided by the responsible course teachers.

The students shall become familiar with the safe handling of dangerous substances.

The students have to describe the experiments performed in brief, clearly and unambiguously written reports containing references, scheme of the chemical reaction performed, used chemicals including the respective amount, hazard and precautionary statements, physical data, procedure, mechanism and yield. The reports shall reflect the real performance of the procedure and not be a copy of the reference.

The correctness of the reports has to be confirmed by the responsible course teachers.

Literature:

The respective literature will be handed out by the responsible course teachers in the beginning

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