Organic chemistry 1

Course 2022-2023

Admission requirements

Not applicable.

Description

During the (work)lectures, the basic principles of organic chemistry are discussed, including drawing molecules (counting valence electrons and applying the octet rule), hybridization, orbital theory (qualitative), recognizing reactions and drawing up mechanisms. The problemsets of the work-lectures aim to apply the most important theoretical principles and to deepen the reactions/mechanisms from the chapters covered.

Course Objectives

At the end of the course

- students know the names of functional groups of organic molecules.
- students know the naming/structure of standard molecules and of some 30 basic concepts/principles from organic chemistry.
- students can apply the organic chemical rules to recognize reactions and establish a mechanism.
- students are able to use the periodic table to solve simple acid/base questions, as well as leaving group series and nucleophility.
- students can recognize the electrophile/nucleophile and draw the mechanism of a reaction.

Timetable

You will find the timetables for all courses and degree programmes of Leiden University in the tool MyTimetable (login). Any teaching activities that you have successfully registered for in MyStudyMap will automatically be displayed in MyTimeTable. Any timetables that you add manually, will be saved and automatically displayed the next time you sign in.
MyTimetable allows you to integrate your timetable with your calendar apps such as Outlook, Google Calendar, Apple Calendar and other calendar apps on your smartphone. Any timetable changes will be automatically synced with your calendar. If you wish, you can also receive an email notification of the change. You can turn notifications on in 'Settings' (after login).
For more information on MyTimeTable, watch the video or go the the 'help-page' in MyTimetable.

PLEASE NOTE
Always check the detailed schedule on the Brightspace module of each Course 2-3 weeks before the start of the Course for group-specific meetings, (intermediate) deadlines, etc..

Mode of Instruction

- Home assignments
- Combination of lecture and work-lecture

Assessment method

Written exam.

Reading list

- *Organic Chemistry*, Clayden, Greeves en Warren; OUP Oxford, 2e druk, ISBN 9780199270293

Registration

All students who start Bio_Pharmaceutical Sciences for the first time will be registered for all Courses and Exams *of the first semester* by the Education Office
All other students: *registration in uSis via My StudyMap is mandatory* in order to take part in this Course.
For this Course the standard 14 day registration period applies.
NB NEW:

- Registration for (resit)Exams is at first only a pre-registration
- **registration for (resit) Exams is not final until you have confirmed participation via My Study Map**
- (resit) Exam registration & conformation closes 10 days prior to the exam date
- Only register for those parts that you will actually take, deregistration when not taking part is also mandatory.

Contact

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Remarks

Not applicable.