



**Prof. Dr.
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GIVAUDAN-KARRER LECTURES 2018

The course will focus on important advances in organometallic catalysis. The mechanistic logic will be presented and structure and bonding of reactive intermediates will be discussed. A few selected applications to natural product chemistry are meant to illustrate the impact of these catalytic transformations on organic synthesis in general. Specifically, the following topics will be covered:

Lecture Topics

- **Activation of π -Bonds: Alkene Metathesis**
(Lectures 1-4)
- **Activation of π -Bonds: Alkyne Metathesis**
(Lectures 5-6)
- **Activation of π -Bonds by Carbophilic Lewis Acids**
(Lectures 7-9)
- **Activation of π -Bonds by Nucleophilic Metal Catalysts**
(Lectures 10-11)
- **Iron Catalysis**
(Lecture 12)

Schedule

Dates	Time	Lecture Hall
Monday, March 5 th	10:00 - 12:00	22 F 62
Wednesday, March 7 th	8:00 - 10:00	03 G 91
Monday, March 19 th	10:00 - 12:00	22 F 62
Wednesday, March 21 st	8:00 - 10:00	03 G 91
Monday, March 26 th	10:00 - 12:00	22 F 62
Wednesday, March 28 th	8:00 - 10:00	03 G 91

To join the course please e-mail Mrs Natalie Mordasini:
natalie.mordasini@chem.uzh.ch

Special Seminar

Advances in Metal Carbene Chemistry: Concepts and Applications

Thursday, March 22nd, 17:00; Lecture Hall 15 G 19
www.chem.uzh.ch/en/events/



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