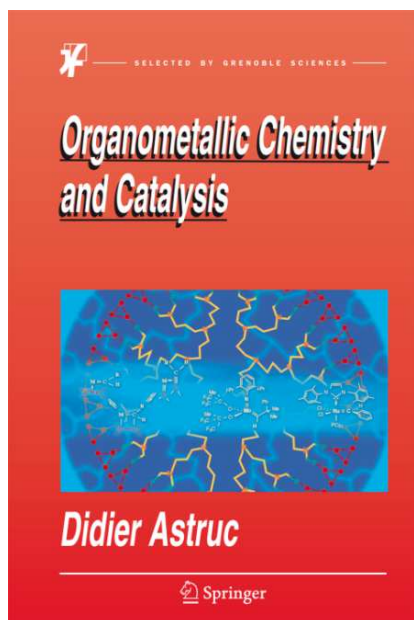


Syllabus 2014

KJEM243 Metallorganisk Katalyse

KJEM243 Organometallic Catalysis



The course will be mainly based upon the book: "[Organometallic Chemistry and Catalysis](#)" by Prof. Didier Astruc (ISBN 978-3-540-46128-9). The text book covers the basic and advanced aspects of organometallic chemistry of all metals and applications to organic synthesis and catalysis.

Purchase recommended

Other Suggested Books (purchase not necessary)

- [Fundamental of Organometallic Catalysis](#) (Steinborn & Harmsen). Well-organized basic text which covers various aspects of organometallic and with a strong focus on applied chemistry.
- [Organotransition Metal Chemistry: From Bonding to Catalysis](#) (Hartwig). Excellent textbook which provides thorough and authoritative coverage of the fundamentals of organometallic chemistry, the elementary reactions of these complexes, and many catalytic processes occurring through organometallic intermediates. Built upon the foundation established by the classic text by Collman, Hegedus, Norton and Finke, this text consists of new or thoroughly updated and restructured chapters and provides an in-depth view into mechanism, reaction scope, and applications.
- [The Organometallic Chemistry of the Transition Metals](#) (Crabtree). The recommended textbook for many universities, covering various advanced aspects of organometallic chemistry and catalysis.
- [Organotransition Metal Chemistry](#) (Hill). The cheapest organometallic chemistry text available with a similar level of coverage than other. Well-organized basic text.
- [Organometallic](#) (Elschenbroich). Good comprehensive with adequate coverage of topics, but the 3rd edition is due to come out soon so I recommend students do not purchase this text except perhaps second-hand.

Contents 2014

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KJEM243 Organometallic Catalysis

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