

I. LECTURES (15 hours)

Heterocyclic Chemistry

Prof. Eric Fillion

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This course is intended to provide an overview on the synthesis, and reactivity patterns of heterocyclic compounds such as furans, indoles, pyridines, pyrroles, and thiophenes. Classical and modern heterocyclic ring synthesis and functionalization methodologies will be covered. The use of heterocycles in the design and synthesis of bioactive compounds in medicinal chemistry, and as intermediates in the synthesis of natural products will be discussed.

II. SEMINARS (15 hours)

1. Cross-coupling reactions
2. Frontier molecular orbitals in pericyclic reactions
3. α -Substitution of carbonyl compounds
4. Friedel-Crafts acylations
5. Catalytic Conjugate additions

III. Consultations (30 hours)

Prof. Fillion will be available for consultation and discussion about the material presented during the lectures on Heterocyclic Chemistry, and key topics covered in seminars.

Termin	Dzień tygodnia	Godzina	Miejsce
14.05.2018	poniedziałek	09.15 – 12.00	Minicentrum Konferencyjne (Luw)
15.05.2018	wtorek	09.15 – 12.00	Minicentrum Konferencyjne (Luw)

16.05.2018	środa	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)
17.05.2018	czwartek	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)
18.05.2018	piątek	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)
21.05.2018	poniedziałek	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)
22.05.2018	wtorek	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)
23.05.2018	środa	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)
24.05.2018	czwartek	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)
25.05.2018	piątek	09.15 – 12.00	Minicentrum Konferencyjne (Luwr)