Course Objective
A two-week hands-on course to familiarize CSU graduate students and researchers with MS and NMR knowledge base and state-of-the-art experimental approaches, relevant to problems in the chemical, life and material sciences.

The course will consist of morning lectures, afternoon hands-on instrument learning, and special topics seminars during evening socials at local establishments.

Topics
- Fundamentals of MS and NMR
- NMR- and MS-based structural elucidation
- NMR- and MS-based metabolomics
- Advanced applications (reaction monitoring, polymers, solids, HRMAS, DOSY, ambient ionization, proteomics)

When: June 20-30, 2016
Where: Central Instrument Facility & Proteomics and Metabolomics Facility Colorado State University
For: Graduate and upper-level undergraduate students with basic knowledge of NMR and MS.
Cost: $150
Invited speakers:
Dr. Phil Crews, Univ. of California, Santa Cruz
Dr. Rich Shoemaker, Univ. of Colorado, Boulder
Dr. Natalie Serkova, Univ. of Colorado Hospital
Application scientists from PhoenixNMR, Agilent, Bruker, Waters, Thermo and LECO.

Questions?
http://cif.colostate.edu/cif-summer-school
Karolien.Denef@colostate.edu

Colorado State University
College of Natural Sciences