INTRODUCTION TO FOOD CHEMISTRY

Course Schedule

March 1\textsuperscript{st}, 2016: 8:00 am - 4:30 pm (Registration 8:00-8:30 am)
March 2\textsuperscript{nd}, 2016: 8:00 am - 4:30 pm
March 3\textsuperscript{rd}, 2016: 8:00 am - 4:45 pm

Course Location

Continuing Education and Conference Center
1890 Buford Ave.
St. Paul, MN 55108
Rm 77

Course Instructors

\textit{Course Coordinator and Lecturer}: Baraem (Pam) Ismail, Ph.D.
Associate Professor, Department of Food Science and Nutrition
University of Minnesota
St. Paul, MN, USA 55108

\textit{Lecturer}: Devin Peterson, Ph.D.
Professor, Department of Food Science and Nutrition
University of Minnesota
St. Paul, MN, USA 55108

\textit{Guest Lecturer}: Mirko Bunzel, Ph.D.
Professor and Chair, Department of Food Chemistry and Phytochemistry
Faculty of Chemistry and Biosciences, Institute of Applied Biosciences
Karlsruhe Institute of Technology - KIT
COURSE OUTLINE

Tuesday, March 1\textsuperscript{st}, 2016

Continental breakfast available
Registration: 8:00-8:30 am
Morning session (8:30 am - 12:00 pm): Devin Peterson
  • Water in foods
  • Colloidal systems and emulsions
  • Minerals and vitamins
Group luncheon
Afternoon session (1:00 pm – 4:30 pm): Mirko Bunzel
  • Lipids and lipid oxidation
  • Fat substitutes

Wednesday, March 2\textsuperscript{nd}, 2016

Continental breakfast available
Morning session Part I (8:00 am – 12:00 pm): Mirko Bunzel
  • Sugars and Complex Carbohydrates
  • Properties and Reactions
Group luncheon
Afternoon session (1:00 pm – 4:30 pm): Baraem (Pam) Ismail
  • Food Enzymes
  • Proteins in Food
  • Chemical and Functional Properties of Proteins

Thursday, March 3\textsuperscript{rd}, 2016

Continental breakfast available
Morning session I (8:00 am – 10:00 am): Baraem (Pam) Ismail
  • Protein Modification and Applications
Morning session II (10:30 am – 12:00 pm): Mirko Bunzel
  • Food Additives
Group luncheon
Afternoon session (1:00 pm – 4:30 pm): Devin Peterson
  • Flavor Chemistry and Technology

Evaluation (4:30 pm – 4:45 pm)