

Advanced Organic Chemistry I: Synthesis

Chemistry 4932/6250
CRN 11074 (undergraduate)
CRN 11075 (graduate)



Instructor: Dr. Minsoo Ju
TuTh 3:30 - 4:45 PM | ISA 3048



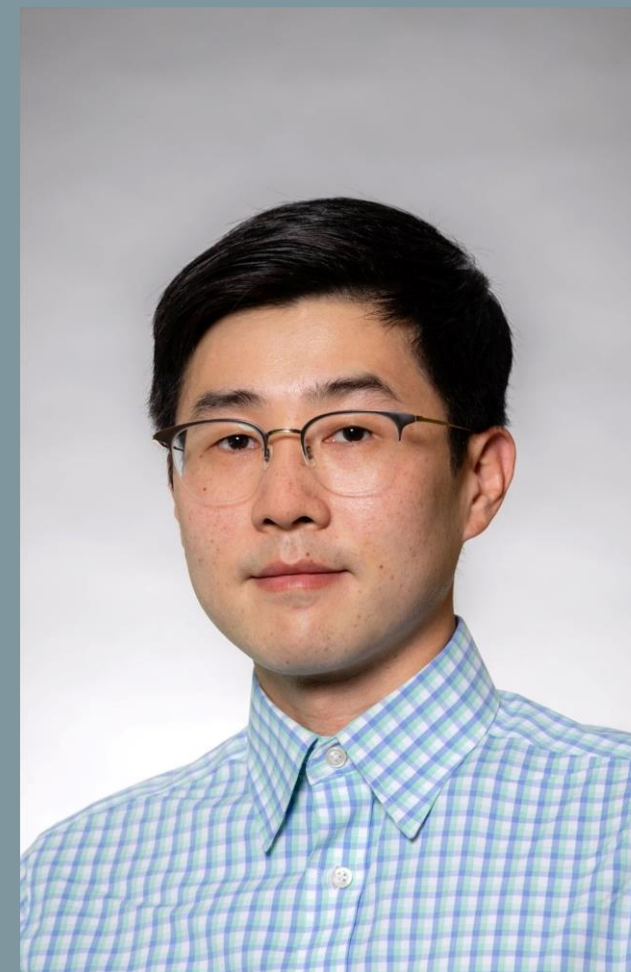
Description: The course entails a detailed consideration of modern synthetic methods. The learning objectives of the course include (1) acquainting you with the fundamental principles of modern organic synthesis, (2) instructing a retrosynthetic approach for designing synthetic pathways, and (3) providing you with the skills to comprehend and analyze the literature in synthetic organic chemistry.



Prerequisites: CHM 2211 Organic Chemistry II or equivalent, as well as a strong interest in organic synthesis.



For additional information, email:
minsooju@usf.edu



Dr. Minsoo Ju grew up in Seoul, South Korea. He earned his B. S. degree in neurobiology in 2011 from the University of Wisconsin–Madison. After a stint in pharmaceutical manufacturing, he joined the Department of Chemistry at UW–Madison in 2014 to advance his skills and knowledge as a synthetic chemist. He obtained his Ph.D. degree in 2020 under the supervision of Professor Jennifer Schomaker, where he focused on developing chemo-, regio-, and enantioselective silver-catalyzed nitrene transfer reactions. For his postdoctoral work, Dr. Ju pursued studies on electrosynthesis and radical-mediated reactions as an NIH fellow, working with Professor Song Lin at Cornell University. Since the beginning of 2024, Dr. Ju has embarked on his independent career at the University of South Florida.