

# The Future is OPEN



## ORGANIC SYNTHESIS



This text is designed to build on traditional Organic Chemistry I and II courses for an Advanced Organic Chemistry class. The focus is on key reaction types that enable the construction of complex organic molecules: pericyclic reactions, transition metal catalyzed reactions, rearrangements, fragmentations, radical reactions, and carbene reactions. It explores these reactions through both mechanism and synthesis problems with many examples from the current literature.

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