Course: Architecture 484/584
Term: Fall 2020
Instructor: Professor Mark L. Gillem, PhD, FAIA, FAICP
Credits: 6
Time: Remote – Wednesdays and Fridays 1300-1750 (1:00-5:50pm)

Course Objectives. In this urban design studio, students will prepare proposals for the configuration of a new ski village at the base of Oregon’s premier ski area – Mt Bachelor. This will include development of street morphologies, the design of architectural typologies, and the preparation of development codes appropriate for transforming the resort’s massive parking lots into a walkable, livable environment. A key goal is to show how a mixed-use village can accommodate resort guests and reduce the environmental and fiscal costs associated with driving to and from Bend or Sunriver to get to the slopes every day. After all, what if Mt Bachelor’s parking lots could be transformed from eyesores that repel development to magnets that attract development? Urban design plays a critical role in providing answers to this question.

Course Assignments. Working in small teams, students will develop proposals for the redevelopment of Mt Bachelor’s parking lots. They will 1) study other ski villages/resorts around the world to develop a case book of precedents; 2) analyze the existing conditions to develop an understanding of the assets and liabilities of the area; 3) prepare a clear vision for development with measurable goals and clear patterns; 4) develop compelling illustrative plans to show options for redevelopment of the parking lots; 5) craft a form-based code with building, street, and landscape standards to flexibly guide future development; 6) calculate the financial performance of their concepts through a pro forma; 7) determine the environmental outcomes of creating a mixed-use setting for year-round use at Mt. Bachelor by forecasting the impacts of their proposals in terms of farmland preservation, reduction of vehicle miles traveled and carbon dioxide emissions, and per visitor savings; and 8) identify the rules and regulations in the way of this type of development on U.S. Forest Service lands.

Course Structure. Instruction will be virtual and will include regular class discussions, small group reviews, and “desk” crits. Occasional guest speakers will participate virtually as well to give students a broader understanding of the design context.