

## **Advanced CAD**

Prerequisites – Beginning CAD or a **comfortable** understanding of the basics of AutoCAD, concurrent enrollment in Tech Studio. Basic drafting skills in AutoCAD will be assumed, the focus of this course is to build upon those skills.

**Instructor Mark Morgan, Time – MW, 12:00 – 12:50, plus in-studio instruction, desk crits and troubleshooting during studio hours.**

My time in studio will vary with the studio workload, but I typically set aside 2 hours minimum each week to be in studio to answer questions.

**Course Goals** - This course will expand upon the basics of AutoCAD, and will be directly related to the work being done in the tech studio. The emphasis will be on creating a full set of Construction Documents, the skills required to do this, and will include exercises that will build upon and facilitate work done in studio. Land FX, a professional grade AutoCAD add-on, will be introduced as well.

**Topics covered** will include:

- Xrefing CAD files and other digital file formats from various sources.
- Preparing base information from various sources for use in the design development process.
- Importing, scaling, and using raster images to speed CAD production.
- Using templates and office standards.
- Design process and how construction documents and details inform design development. The design process is far from over when you put the Prismacolors down!
- Creation of a Site Plan, Layout Plan, Grading Plan, Lighting Plan, Planting Plan and Detail Sheets.
- Creating detailed plans, sections and elevations using AutoCAD.
- Maintaining a standard style throughout the construction set and creating a portfolio-worthy set of Construction Documents.
- E-transmittal and sharing of digital files.
- Plotting digital and hard copy.
- File management in an office environment.
- Land FX – Planting and Irrigation

**This class is being offered as Pass/No pass only.**