

## TOPICAL OUTLINE

The course is organized in three parts: (1) A weekly 1 contact hour seminar focusing on technical issues in urban design practice, (2) a weekly 3 contact hour media laboratory focusing on graphic and digital representation and communication in urban design, and (3) and a 12 contact hour design and problem solving laboratory conducted in the urban design studio.

	<b>Seminar (1hr)</b>	<b>Media Laboratory (3 hrs)</b>	<b>Laboratory in Design Studio (12 hrs)</b>
Week 1	Urban Context – Observation, Description and Analysis	Digital Media and Urban Design	Project 1 Assigned: Infill Development Site Visit, Site and Context Analysis
Week 2	Urban Design Infill – Case Studies and Design Issues	GIS Basics I GIS Operations	Preliminary Design Proposals and Reviews
Week 3	Urban Blocks – Dimensions, subdivision, arrangements	GIS Basics II Drawing in GIS	Individual and Team Working Sessions
Week 4	Urban Blocks – Topography and Grading	GIS Data in AutoCAD I GIS/AutoCAD Data Operations	Individual and Team Working Sessions Implementation Strategy Proposals
Week 5	Urban Streets – Dimensions, Classification and Standards	GIS Data in AutoCAD II GIS/AutoCAD Drawing	Graphic Presentations and Reviews
Week 6	Urban Design Retrofits – Case Studies and Design Issues	Adobe Illustrator Basics I Illustrator Operations	Project 2 Assigned: Retrofit Development Site Visit, Site and Context Analysis
Week 7	Urban Streets – Design and Construction	Adobe Illustrator Basics II Illustrator with AutoCAD Drawings	Preliminary Design Proposals and Reviews
Week 8	Urban Blocks – Building Dimensions and Design	Adobe Photoshop Basics I Photoshop Operations	Individual and Team Working Sessions
Week 9	Urban Blocks and Buildings – Topography and Grading	Adobe Photoshop Basics II 2D Dimensional Drawing and Rendering in Photoshop	Individual and Team Working Sessions Implementation Strategy Proposals
Week 10	Urban Stormwater Management – Analysis	Photoshop Basics III Collage Imagery	Graphic Presentations and Reviews
Week 11	Urban Design Greenfield – Cases Studies and Design	SketchUp 1 AutoCAD in SketchUp	Project 3 Assigned: Greenfield Development Site Visit, Site and Context Analysis
Week 12	Urban Stormwater – Urban Design Case Studies	SketchUp II Rendered SketchUp Drawings in Photoshop	Preliminary Design Proposals and Reviews
Week 13	Urban Design Case Study - Student Presentations	Small Format Presentations: PowerPoint, InDesign and Acrobat Large Format Presentation: InDesign	Individual and Team Working Sessions
Week 14	Urban Design Case Study - Student Presentations	Technical Assistance as Required for Final Presentations	Individual and Team Working Sessions Implementation Strategy Proposals
Week 15	Urban Design Case Study - Student Presentations	Technical Assistance as Required for Final Presentations	Graphic Presentations and Reviews
Week 16	Discussion and Evaluations	Review and Evaluation	End of Semester Exhibition and Reviews