iCAD **Comprehensive Design for Smart Architecture**
Architecture and Environment Design Lab | Master Class | prof. G. RIdolfi, PhD

SPRING 2015 CLASS SCHEDULE
Calendar & Lesson Plan

LESSON PLAN

Date	Content
03. March (14:30-18:30)	**Introductory Lecture** Class presentation and program overview
13. March (14:30-18:30)	**Assignment #01 Guide: Briefing** Space program and indoor environment requirements: Assignment presentation
20. March (14:30-18:30)	**Assignment #02 Guide: Place** + *Desk Review* Site analysys and environmental assessment: criteria, tools and methodology (traces, constraints and attractors)
25. March (deadline:24:00)	**Assignment #01 Submission: Briefing** Groups & Individual Reports Upload: • *Parco delle Cascine Brand* • *Fret's Identity* • *Facility Program*
27. March (14:30-18:30)	**Assignment #01 Evaluation: Briefing** Poster presentation and discussion.
	Easter Break Students are asked to install on their laptop: Vectorworks, Rhyno, Grasshopper, Ladybug, Honeybee
10. April (14:30-18:30)	**Assignment #03 Guide: Concept & Mass Design** + *Desk Review* Mass modeling: a parametric approach using Space planning suite in Vectorworks and syntactic-design plug-in in Grasshopper
15. April (deadline:24:00)	**Assignment #02 Submission: Place** Groups & Individual Reports Upload
17. April (14:30-18:30)	**Assignment #02 Evaluation: Place** Emerging issues layering & Model Presentation
24. April (14:30-18:30)	**Assignment #03 Guide: Concept & Mass Design** + *Desk Review* Mass modeling: a parametric approach using Ladybug and Honeybee Energy Modeler plug-in in Grasshopper
08. May (10:30-18:30)	**Tutoring** + *Desk Review* Software tutoring
15. May (14:30-18:30)	**Assignment #03 Guide: Concept & Mass Design** + *Desk Review* Concept Assessment	Proposals selection using SWOT
20. May (deadline:24:00)	**Assignment #03 Guide: Concept & Mass Design** + *Desk Review* Group Report Upload: • *Project goals and attributes* • *Alternative proposals* • *Attributes evaluation and proposal selection*
22. May (14:30-18:30)	**Assignment #03 Evaluation: Concept & Mass Design** Poster Presentation and Discussion
29. May (14:30-18:30)	**Assignment #04 & #05 Guide** The Development Design and Project Information Management. A parametric approach using the BIM workflow and framework for planning and organizing deliverables.
03. June (deadline:24:00)	**Assignment #04 Submission: Schematic Approval** Groups Report Upload: • *Masterplan and site integration* • *Functionality* • *Aspect* • *Materials and Technologies* • *Compliance*
05. June	**Assignment #04 Evaluation: Schematic Approval** Board Presentation and Critique
12. June	**Desk Review**
19. June	**Desk Review**
26. June	**Desk Review**
07. July	**Assignment #05 Submission: FInal Project** Group Report Upload: • *Site and landscaping* • *Functional charts* • *Structural drawings* • *Architectural drawings* • *Envelope details* • *Finishing*
09. July (10:00-18:30)	**Assignment #05 Evaluation: Final Project** Integrated Board Presentation
10. July (10:00-18:30)	**Grade Registration** Grade registration and files full delivery

Lecture	**Review**	**Dropbox Upload**	**Credit Evaluation**

i CAD Comprehensive Design for Smart Architecture
Architecture and Environment Design Lab | Master Class | prof. G. RIdolfi, PhD

SPRING 2015 CLASS SCHEDULE
Calendar & Lesson Plan

LESSON PLAN

Date	Activity
03. March (14:30-18:30)	**Introductory Lecture** Class presentation and program overview
13. March (14:30-18:30)	**Assignment #01 Guide** Space program and indoor environment requirements: Assignment presentation
20. March (14:30-18:30)	**Assignment #02 Guide+Desk Review** Site analysys and environmental assessment: criteria, tools and methodology (traces, constraints and actractors)
25. March (deadline:24:00)	**Assignment #01 Submission:: Briefing** Groups & Individual Reports Upload: • *Parco delle Cascine Brand* • *Fret's Identity* • *Facility Program*
27. March (14:30-18:30)	**Assignment #01 Evaluation: Briefing** Poster presentation and discussion.
	Easter Break Students are asked to install on their laptop: Vectorworks, Rhyno, Grasshopper, Ladybug, Honeybee
10. April (14:30-18:30)	**Assignment #03 Guide+Desk Review** Mass modeling: a parametric approach using Space planning suite in Vectorworks and syntactic-design plug-in in Grasshopper
15. April (deadline:24:00)	**Assignment #02 Submission: Site Analysis** Groups & Individual Reports Upload: • *Morphology* • *Climate* • *History* • *Mobility* • *Regulations* • *Model*
17. April (14:30-18:30)	**Assignment #02 Evaluation: Site Analysis** Emerging issues layering & Model Presentation
24. April (14:30-18:30)	**Assignment #03 Guide+Desk Review** Mass modeling: a parametric approach using Ladybug and Honeybee Energy Modeler plug-in in Grasshopper
08. May (10:30-18:30)	**Tutoring + Desk Review** Software tutoring
15. May (14:30-18:30)	**Assignment #03 Guide+ Desk Review** Concept Assessment	Proposals selection using SWOT
20. May (deadline:24:00)	**Assignment #03 Submission** Groups & Individual Reports Upload: • *Project goals and attributes* • *Alternative proposals* • *Attributes evaluation and proposal selection*
22. May (14:30-18:30)	**Assignment #03 Evaluation: Concept & Mass Design** Poster Presentation and Discussion
29. May (14:30-18:30)	**Assignment #04 & #05 Guide** The Detailed Design and Project Information Management. A parametric approach using the BIM workflow and framework for planning and organizing deliverables.
03. June (deadline:24:00)	**Assignment #04 Submission: Schematic Approval** • *Masterplan and site integration* • *Functionality* • *Aspect* • *Materials and Technologies* • *Compliance*
05. June	**Assignment #04 Evaluation: Schematic Approval** Board Presentation and Critique
12. June	**Desk Review**
19.June	**Desk Review**
26. June	**Desk Review**
08. July	
10. July (10:00-18:30)	