

Course name: ARCHITECTURAL DESIGN STUDIO (5)

Course code: ARCH 307

Course hours: Credit hours 5, Contact hours 10

Course Pre-requisites: ARCH 306

Course Description

The course of the student familiarize the principles of town planning and urban design and the practices of master planning and parceling with consciousness of socio-economic issues and linkages, image ability, districts, nodes, edges, paths, landmarks and urban language (City elements for Kevin Lynch), study of SWOT analysis (strengths, weaknesses, opportunities and threat). The associated design tasks, which may include conservation and urban renewal in the context of urban development, will concentrate on spatial organization, land use, building form and massing, circulation and parking.

Course Main Objective

In this course, the students will be:

- Ability to execute master planning within a given urban context.
- Develop and/or revitalize and existing urban fabric and address the issues of urban design.
- Ability to prepare documentation of design works that include policy statements.
- Applying professional skills and ability to work independently as well as with team's work.
- Enhance the urban quality of life and view architecture as an integration of context, climate, culture.
- Develop an understanding of urban sustainability as an integral part of urban design.

Course Learning Outcomes

After the completion of this course, the students will be able to;

- Definition to gather, assess, record, apply, and comparatively evaluate relevant information within architectural coursework and design processes.
- Enable students to work in collaboration with others and in multidisciplinary teams to successfully complete design projects.
- Integrate Urban Landscape and other systems in Urban design with an emphasis on the path.
- Ability to design projects that optimize, conserve, or reuse natural and built resources, provide healthful environments for occupants/users.

Course evaluation

- Attendance and instructor's evaluation
- Weekly/biweekly reviews
- Class participation
- Mid-term Review
- Pre-final
- Final Jury

Course recommended books

- Barnett, J., An Introduction to Urban Design, Fitzhenry & Whiteside Limited: Toronto, 1987.

Course References

- Rubenstein, H., A Guide to Site Planning and Landscape Construction, John Wiley and Sons, 1996.
- Architectural design Procedure, Thompson, A. Eds, (1999), JW arrowsmith, Bristol, London.
- Architecture Drafting and Design, Hepler, D. et al (1998), Glencoe/McGraw-Hill, New York.
- Saudi Building Code National Committee. (2007). The Saudi Building Code (SBC)—Section 601: Energy Conservation. Riyadh, Saudi Arabia, 196.
- Mornement, A., & Biles, A. (2009). Infill: new houses for urban sites. Laurence King Publishing.