Graphic Design Master: Thesis Option

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**Course Definitions**

**GRD 500 Thesis (Non-credit)**

Supervised independent research on a topic arranged between the student and faculty member assigned as advisor and approved by the Administrative Committee of the Institute. The dissertation must be an original contribution to the field of Graphic Design.

**GRD 590 Seminar (Non-credit)**

Graduate seminar gives an opportunity for independent and investigative study in various aspects of the research. Small group discussion and critique sessions with faculty advisors and thesis students are provided. Seminar encourages experimentation with fine arts media, communications media and digital media with an emphasis on dissertation subject.

**GRD 501 Graphic Design I (3,0) 3**

The course covers conceptual thinking and solutions on graphic problems to organize and communicate messages. Students are expected to face their individual problems and work towards a solution under the guidance of the instructors.

**GRD 502 Graphic Design II (3,0) 3**

This course is the continuation of Graphic Design I. The graduate level students are expected to work on the problems they created under the guidance of the instructor.
Elective Courses

**GRD 503 Semiotics of Image** (3.0) 3  
Key terms, definitions and criteria of the interdisciplinary field of communication and semiotics. Students are encouraged to read and discover the domain of image. Case studies through still and moving images in the aim to interpret concepts of chains from the verbal to the iconic.

**GRD 504 Lighting and Color** (3.0) 3  
Importance of light and color as design factors: Physics of light, light and vision light sources and lighting methods, symbolic and functional color, color in interiors.

**GRD 505 Design Methodology** (3.0) 3  
Increasing degree of complexity of problem situations in contemporary Architecture and Engineering, requires more objective scientific tools, methods or techniques. This course aims to develop an understanding of these issues, while demonstrating the conceptual framework, a retrospective analysis of the contributions to the field, and technical base needed to relate theoretical issues to relevant contexts via methodology.

**GRD 506 Human Factors (Anthropometrics)** (3.0) 3  
Investigation of human factors and dimensions as a determinant in design of interior environments.

**GRD 507 Computers in Design** (3.0) 3  
The use of computers in various design professions is discussed. Computer programming will be further studied together with an introduction to the principles of computer graphics.

**GRD 509 Research Methods** (3.0) 3  
A foundation course which deals with systematic research methods regarding information acquisition, verification of sources, theory of interpretation and hypothesis formulation for developing a critical ability to understand and study the issues related to interiors.

**GRD 510 Fire Protection of Buildings and Structures** (3.0) 3  
The objective of this course is to furnish the student with the knowledge in fire protection of buildings, structures, and occupants against the fire. The basic principles of design and construction methods employed for a building to safeguard occupants from death or injury, and minimize the amount of destruction will be studied together with in depth consideration of the following themes: Nature of fire, combustibility, spread of fire, fire protection methods, means of escape, fire fighting, and other issues related to the fire.

**GRD 511 Issues of Architectural Space** (3.0) 3  
Theoretical studies on comprehensive issues of architectural space and its constituent components related to each other. The course will go through series of lectures and practical lessons to emphasize straight relationship between function space required to provide function, visual perception of space determined by structure. In depth consideration of functional space, structural space, visual space, and psychological space.

**GRD 513 Contemporary Structures** (3.0) 3  
Advanced studies on long span structures, planer and spatial with emphasis on contemporary materials and technology application, and constructions of high rise buildings.