[A-3]COURSE SYLLABUS

1. Course Description (Approximately 100 words)

This course is designed for professionals to improve their knowledge in the field of lighting design. this field has developed demand over the last few years, including the need for professionals to understand the stage and televisions studio of lighting design. To meet the viewer lighting needs, a lighting designer must understand a TV studio lights, stage lights, light control, equipment connection and more. A lighting designer must have knowledge of the physical characteristics of light, how light works in space, the human visual system and how lighting can be controlled optically.

2. Course Goals and Objectives (Approximately 100 words)

Explores stage ligthing and studio lighting.
To understand and apply the basic tools, technologies, and theories of lighting design in the studio. This includes lighting console, dimmer and studio lights.
To understand and apply the basic tools, technologies, and theories of lighting design to the stage and it's allied art forms.
To explore and gain a working knowledge of lighting, sharpy, moving head, and led in far.
To understand and use computerized data and storage systems for lighting design.
Student will understand the basic elements of lighting design and will be able to incorporate this knowledge into the design, and analysis of lighting designs for scene productions.
Student will learn to observe works of art and the world around them, reflecting on qualities of light and their emotional implications.

3. Textbook (Title, Author, Publisher, Year of Publication, etc.)

Automated Lighting: The Art and Science of Moving Light in Theatre, Live Performance, Broadcast, and Entertainment / Edition 1, Richard Cadena, 09/06/2006

4. Reference

5. Course Requirements and Grades

Midterm	10%
Mini Projects	30%
Midterm	10%
Final Project	30%
Lighting Lab(Daslight 3)	20%
Total	100%

6. Course Calendar

Week	Main Content
1	The concept of light and its origin
2	Lighting and light measurement
3	Studio lighting
4	Studio light plan
5	Read the technical specifications of the light device
6	Portable lighting
7	Work with the PATCH panel in the studio light panel
8	Work with the EFFECT panel of the studio light panel
9	Work with the PROGRAMM panel of the studio light panel
10	The shape of the studio light
11	Classification of theatre lighting devices
12	Classification of stage lighting devices
13	Theatre and concert light
14	Trends in the development of the lighting technical future