



## COURSE SYLLABUS

# Lighting for Expo and Events, 15 credits

*Ljus för expo och event, 15 högskolepoäng*

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<b>Course Code:</b> TLEN12	<b>Education Cycle:</b> First-cycle level
<b>Confirmed by:</b> Dean Mar 1, 2020	<b>Disciplinary domain:</b> Technology
<b>Revised by:</b> Director of Education Jan 17, 2022	<b>Subject group:</b> TE9
<b>Valid From:</b> Aug 1, 2022	<b>Specialised in:</b> G2F
<b>Version:</b> 3	<b>Main field of study:</b> Product Development

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### Intended Learning Outcomes (ILO)

After completing the course, the student shall:

Knowledge and understanding

- demonstrate comprehension of luminaires used in expo and event
- display knowledge of lighting techniques used for expo and event
- display knowledge about how light enhances and clarifies the message
- display knowledge about planning methods based on visual evaluation
- display detailed knowledge about how to create esthetic and well-functioning lighting installations that meets the users needs
- demonstrate comprehension of techniques used to create interaction between people and light and spaces

Skills and abilities

- demonstrate the ability to plan lighting for visual communication
- demonstrate the ability to independently describe and analyze the light in a room to capture the essence of its message
- demonstrate the ability to independently describe and analyze light in a room
- demonstrate the ability to independently describe and analyze the lighting planning in a room

Judgement and approach

- demonstrate the ability to suggest how a lighting installation should be designed and used to strengthen messages
- demonstrate the refined ability to communicate and sell a lighting concept

### Contents

The course explores the usage and the purpose of lighting within the setting of expo and event. By visual evaluation lighting installations are planned to communicate a message for promotional or entertainment purposes.

This course includes the following elements:

- Luminaire technology
- Lighting control systems
- Visual communication with lighting
- Interaction between man, light and environment
- Lighting and user experience
- The lighting planning process and planning methods
- Further development of an original light installation
- Lighting tests and mock-up prototypes
- Visual evaluation

### Type of instruction

Lectures, seminars and workshops.

The teaching is conducted in English.

### Prerequisites

General entry requirements and completed courses 60 credits in first cycle within the program, including Basics in Light Source and Luminaire Proficiency, 6 credits or Basics in Light Source and Luminaire Proficiency, 9 credits, as well as project experience (or the equivalent).

### Examination and grades

The course is graded 5,4,3 or Fail.

Registration of examination:

Name of the Test	Value	Grading
Project work <sup>1</sup>	9 credits	5/4/3/U
Exercises	6 credits	U/G

<sup>1</sup> Determines the final grade of the course, which is issued only when all course units have been passed.

### Course literature

The literature list for the course will be provided 8 weeks before the course starts.

Light for art's sake: Lighting for artworks and Museum displays - Christopher Cuttle  
[primo.library.ju.se/permalink/46JUL\\_INST/1kh77vo/alma997963959503831](https://primo.library.ju.se/permalink/46JUL_INST/1kh77vo/alma997963959503831)

Brandscaping: worlds of experience in retail design - Erlebnisdesign für Einkaufswelten – Birkhäuser  
[primo.library.ju.se/permalink/46JUL\\_INST/1kh77vo/alma990002741850503831](https://primo.library.ju.se/permalink/46JUL_INST/1kh77vo/alma990002741850503831)

Recommended practice for museum lighting – ANSI/IES RP-30-17  
[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma998064607403831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma998064607403831)

The essential guide to retail lighting: Achieving effective and energy-efficient lighting – Cosmin Ticleanu, Paul J Littlefair, Gareth J Howlett  
[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma990005093830503831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma990005093830503831)

Museum Technology and architecture – Editor Barbara Rangel

Chapter “Lighting and Museums” – Raul Serafim

[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma998066056303831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma998066056303831)

Articles

Material from manufacturers

Reference literature

Exhibition design – David Dernie

[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma990003320240503831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma990003320240503831)

Store window design

[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma990005680530503831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma990005680530503831)

Brand spaces : branded architecture and the future of retail design – Robert Klanten, Sven Ehmman, Sofia Borges

[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma990004951890503831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma990004951890503831)

Designing to Sell – Vilma Barr, Charles E. Broudy

[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma990002966300503831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma990002966300503831)

Visual merchandising window and in-store displays for retail - Tony. Morgan

[primo.library.ju.se/permalink/46JUL\\_INST/1kh77vo/alma998111020503831](https://primo.library.ju.se/permalink/46JUL_INST/1kh77vo/alma998111020503831)

What is exhibition design? - Mies ; Hove : RotoVision

[primo.library.ju.se/permalink/46JUL\\_INST/1kh77vo/alma990003320140503831](https://primo.library.ju.se/permalink/46JUL_INST/1kh77vo/alma990003320140503831)

Retail design: theoretical perspectives

[primo.library.ju.se/permalink/46JUL\\_INST/1p4jqnk/alma997988505603831](https://primo.library.ju.se/permalink/46JUL_INST/1p4jqnk/alma997988505603831)