COSI Color Science Laboratory

Course level: Master

Course code: 3621555

ECTS Credits: 5.00

Course instructor/s: Markku Hauta-Kasari

Education period (Dates): 3rd semester

Language of instruction: English

Expected prior-knowledge: Color Science

Aim:

After completing the course, students have realized practical laboratory work which focuses to methods learned in previous courses. The topic is decided every year to support selected research topic at color research group. Work can focus to measurements and software. Based on the topic, the work can be done in groups.

Teaching methods:

Introductory lecture 2 hours. Guided laboratory work.

Course outline:

To realize practical laboratory work and report it.

Lab experiments:

Guided laboratory sessions are mandatory

Examination:

Written report and mandatory presentation of the work will be graded.

Learning Outcomes[1]:

- *Knowledge* and *Comprehension* of the fundamentals, principles, applications, limits, relationships, of all concepts and topics covered by this course;
- *Application*, *Analysis*, *Synthesis* and *Evaluation* skills of the main concepts and topics covered by this course;
- Ability to apply/implement concepts and principles introduced in previous courses on practical tasks and on industrial study cases;
- Ability to self-learn, to understand some problems and to suggest/find solutions to solve these problems.

Assessment methods and tasks:

Written report and presentation.

Assessment criterion:

Excellent - outstanding performance	A
Very Good - above the average standard but with some errors	B
Good - generally sound work with a number of notable errors	C
Satisfactory - fair but with significant shortcomings	D
Sufficient - performance meets the minimum criteria	E
Fail - some more work required before the credit can be awarded	FX
Fail - considerable further work is required	F

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[1] The meaning of *keywords* written in italic used to define Learning Outcomes are detailed in Annex.

Detail of criteria used to assess acquired skills :
- *Activities and questionnaires giving evidence of knowing (5%)*
- *Activities and questionnaires giving evidence of comprehension/understanding (5%)*
- *Activities and questionnaires giving evidence of analysis (5%)*
- *Activities and questionnaires giving evidence of synthesis (5%)*
- *Activities and questionnaires giving evidence of evaluation (5%)*

Excellent	A
Very Good - above the average standard	B
Good - generally sound well	C
Satisfactory - but with significant shortcomings	D
Sufficient - performance meets the minimum criteria	E
Fail - some more work required	FX
Fail - considerable further work is required	F

The evaluation of informal learning outcomes will be based on questionnaires and laboratory notebook (self evaluation, learning diary).

Literature and study materials:

- Scientific publications related to the topic

Contact details:

PhD Markku Hauta-Kasari
University of Eastern Finland
E-mail: Markku.Hauta-Kasari@uef.fi
Office hours**:** 8:00- 16:00 (from Monday to Friday)