SILABUS PROGRAM STUDI MAGISTER DESAIN
FSRD-ITB

DS 61H1 Design Theory I (2 Credit hours)

Short Description
This course is the anthology of selected topics of the Interior Design, Product Design, Visual Communication Design, and Art Crafts in order that the students will be able to understand design in the interdisciplinary scope. They will study various theories and methodologies underlying the creation of design works in its context. The stages are as follows:
1. Understanding the philosophical basis in the process of designing
2. Understanding various methods of design approach
3. Research as methods, science, and art
5. Understanding the methodology of design in connection with various premises (social, economic, technological, and arts)

References/Bibliography
2. Catherine Mc Dermot, Essential Design, Bloomsbury, 1992

DS 62H2 DESIGN THEORY II (2 Credit hours)

Short Description
Studying various theories underlying the creation of designs to develop critical ability in analyzing the phenomena of design in the society. The stages are as follows:
1. Understanding the principles of philosophy in design process
2. Understanding various design approach methods
3. Design study as methods, science, and art
4. Understanding the interrelatedness between arts and engineering in design
5. Understanding the methodology of design in connection with various premises (social, economic, technological, and arts)
6. Formulating the strategy of designing

References/Bibliography
2. Catherine Mc Dermot, Essential Design, Bloomsbury, 1992
DS 61H3 Methods of Design Research (2 Credit hours)

Short Description
Introducing various methods in design research, and the students should be able to find and analyze the substance of an issue, using one method or more to solve the problem critically.

References/Bibliography

DS 62H4 Design and Culture I (2 Credit hours)

Short Description
Preparing the ability to broadly understand and critically study design in its social and cultural context, based on the interdisciplinary theoretical knowledge from social studies and cultural studies. The course covers: Objects and Ideology, Objects as Images, Objects and Gender Issues, Objects and Structuralism and Post-Structuralism, Objects and Issues of Post-Modernism and Consumerism.

References/Bibliography
5. Hal Foster (ed), Post Modern Culture, Pluto Press, 1985

DS 61H6 Statistics of Social Sciences (2 Credit hours)

Short Description
Studying the method of statistics as an objective standard in analyzing data and samples of research on social sciences.

References/Bibliography
1. Course book on the Statistics of Social Sciences
2. Walpole, Myers, Probability and Statistics for Engineers and Scientists, Collier Mac Millan, 1985

DS 61H7 Management and Design (2 Credit hours)

Short Description
Understanding the principles of economy and management of efficiency and cost effectiveness in projects involving the aspects of design. Studying various techniques and quantification of economy, particularly those applicable to the management of and solution to design problems as well as observing the opportunities through innovative process.

References/Bibliography
1. Peter Drucker, Innovation and Entrepreneurship, Heneiman, 1985
2. Anasoff, Strategy and Product Innovation
DS 71H8 Social History of Design (2 Credit hours)

Short Description
Studying the history of design in the cultural context and the interrelatedness between the social phenomena at a particular time and the form of design as the visual expression at the time. Studying various methods of thinking and the cause-effect relationship with the development of design in the cultural history context.

References/Bibliography

DS 71H9 Communication Theory (2 Credit hours)

Short Description
Discussing the communication process by analyzing each element and showing its application in various fields, private communication and that between human beings and their creations.

References/Bibliography

DS 602B Craft Project I (4 Credit hours)

Short Description
This course trains the students to be able to deal with the issues of improving man’s quality of life in a particular region by making efforts through design. The issue to be dealt with should have various socio-cultural dimensions. The solution made should be done by involving the science of design and other sciences as the supporting aspects, considering the principle of region empowerment, so that the people in that region are able to increase the development process on their own.

References/Bibliography
**DS 6036 Interior Design Project I (4 Credit hours)**

**Short Description**
This course trains the students to deal with the issues of man's life quality improvement in a particular region by making efforts through design. The issue to be dealt with should have various socio-cultural dimensions. The solution made should be done by involving the science of design and other sciences as the supporting aspects, considering the principle of region empowerment, so that the people in that region are able to increase the development process on their own.

**References/Bibliography**

**DS 6046 Visual Communication Design Project I (4 Credit hours)**

**Short Description**
The course trains the students to deal with the issues of man's life quality improvement in a particular region by making efforts through design. The issue to be dealt with should have various socio-cultural dimensions. The solution made should be done by involving the science of design and other sciences as the supporting aspects, considering the principle of region empowerment, so that the people in that region are able to increase the development process on their own. The emphasis is on their object of research. It is something factual and is designed through the Visual Communication Product Design process.

**Goals**
After taking this course, the students are expected to be able to deal with the issues in design through multi-disciplinary approach or “total design” with the following details:
1. The subject matter is hypothetical due to the interrelatedness among disciplines
2. Using a research method introduced in semester I
3. The general problem solving (planning) is done in groups
4. The special problem solving (designing) is done individually
5. The output is a document of visual communication product design

**References/Bibliography**
DS 6057 Product Design Project I (4Credit hours)

Short Description
This course trains the students to be able to deal with the issues of improving man’s quality of life in a particular region by making efforts through design. The issue to be dealt with should have various socio-cultural dimensions. The solution made should be done by involving the science of design and other sciences as the supporting aspects, considering the principle of region empowerment, so that the people in that region are able to increase the development process on their own.

References/Bibliography
2. Vakeppa, Product Semantics, UIAH Helsinki, 1990
3. Vihma Susan (Ed), Product as Representation, UIAH Helsinki, 1995

DS 702C Craft Project II (4 Credit hours)

Short Description
This course trains the students to deal with the issues of design comprehensively using a solution of design as the craft product. The subject matter chosen is a real case with its potential and obstacles, the optimal solution of which can give a specific solution according to a particular science. This should also be able to show individual aesthetic potential through the following stages:
1. The choice of problem to be solved should use scientific theoretical consideration of craft.
2. The field survey and study of literature are analyzed to become design programs.
3. Presentation I: about the background, scope and quality of research, sketches and analysis of other supporting aspects in the form of a report and the terms of reference for design
4. Presentation II: design development in the form of portfolio of interior design with the theoretical description underlying it.

References/Bibliography
DS 7036 Interior Design II (4 Credit hours)

**Short Description**
This course trains the students to be able to deal with the issues of design comprehensively using an interior design solution. The subject matter chosen is a real case with its potential and obstacles, the optimal solution of which can give a specific solution according to a particular science. This should also be able to show individual aesthetic potential through the following stages:

1. The choice of problem to be solved uses scientific theoretical consideration of interior design
2. The field survey and study of literature are analyzed to become design programs.
3. Presentation I: about the background, scope and quality of research, sketches and analysis of other supporting aspects in the form of a report and the terms of reference for design
4. Presentation II: design development in the form of portfolio of interior design with theoretical description underlying it.

**References/Bibliography**

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DS 7047 Visual Communication Design Project II (4 Credit hours)

**Short Description**
This course trains the students to be able to deal with the issues of design comprehensively using a visual communication design solution. The subject matter chosen is a real case with its potential and obstacles, the optimal solution of which can give a specific solution according to a particular science. This should also be able to show individual aesthetic potential through the following stages:

1. The choice of problem to be solved uses scientific theoretical consideration of visual communication product design
2. The field survey and study of literature are analyzed to become design program.
3. Presentation I: about the background, scope and quality of research, sketches and analysis of other supporting aspects in the form of a report and the terms of reference for design
4. Presentation II: design development in the form of portfolio of visual product design with theoretical description underlying it.

**References/Bibliography**
**DS 7058 Product Design Project II (4 Credit hours)**

*Short Description*
This course trains the students to be able to deal with the issues of design comprehensively using a product design solution. The subject matter chosen is a real case with its potential and obstacles, the optimal solution of which can give a specific solution according to a particular science. This should also be able to show individual aesthetic potential through the following stages:
1. The choice of problem to be solved uses scientific theoretical consideration of product design
2. The field survey and study of literature are analyzed to become design program.
3. Presentation I: about the background, scope and quality of research, sketches and analysis of other supporting aspects in the form of a report and the terms of reference for design
4. Presentation II: design development in the form of portfolio of visual product design with theoretical description underlying it.

*References/Bibliography*
2. Vakeppa, Product Semantics, UIAH, Helsinki, 1990
3. Vihma Susan (Ed), Product as Representation, UIAH Helsinki, 1995

**DS 70Z1 Thesis/Final Project (6 Credit hours)**

*Short Description*
The writing or designing of a product is based on the topic chosen by the student according to his or her interest. The writing or designing of the product is the presentation of a thought with a thinking framework, analysis, and theoretical arguments of the science. The emphasis of the research result is on the methodology of writing and designing, scientific analysis and the relevance of research with the broadening of scientific insight represented. The quality of the content of the thesis which is the result of research should be more than just a descriptive review the quality of the thesis as the product of designing should be appropriately justified in term of its scientific aspect as well as its profession’s point of view.

*References/Bibliography*
DS 6011 Design Research I (4 Credit hours)

Short Description
This course trains the students to be able to deal with the issues of improving man’s quality of life in a particular region through design. The problem chosen should have various socio-cultural dimensions and the solution of which is made by means of design science. The solution will use the multi-disciplinary approach related to design and crafts. The emphasis: The case for the object research is a real object. The research result is a paper of at least 100 pages. This course is especially offered to students having the background in design who are interested in having further knowledge of design particularly its theories, and for those with non-design background.

References/Bibliography

DS 7012 Design Research II (4 Credit hours)

Short Description
This course is the continuation of Design Research I and it trains the students to deal with the issues of design comprehensively using a design solution. The subject matter chosen is a real case with its potentials and obstacles, the optimal solution of which can give a specific design solution. This should show the student’s potential ability to conduct research individually.