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## SYLLABUS

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<b>Date/Revision</b>	October 22, 2016
<b>Faculty</b>	Business and Social Sciences
<b>Approval</b>	Dr. Samuel Prasetya

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### SUBJECT : ANALYTICAL & CREATIVE THINKING

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#### 1. Identification of Subject:

Name of Subject	: Analytical & Creative Thinking
Code of Subject	: MGNT-2300
SKS/ECTS	: 2/3
Semester	: 3
Study Program	: B-MGT/B-IBA
Lecturer	: Yasmin Nindya Chaerunissa, M.Pd. R.A. Afera Ratna Wijayanti, S.E., M.Ak.

#### 2. Competency

After having the course, students are expected to

- At the end of the course students will have an overview of the most important methodological approaches and concepts of analytical and creative thinking.
- After completing the course, students will be able to describe the core aspects of analytical and will be able to illustrate, contrast, and apply the main concepts and theories from the fields of creative thinking.
- Through the successful participation in this course students are able to recognize the basics of creative thinking in business.
- Students are also able to discuss critically the role of an entrepreneur and the process of business planning and implementation.

#### 3. Description of Subject:

The main topics to be covered are:

- Thinking activities
- Critical thinking
- Problem identification
- Reasoning
- Problem solving
- Inductive, Deductive, Causal explanation
- Strategic thinking
- Creative thinking
- Analytical thinking
- Design thinking – Business model

#### 4. Learning Approach

- a) Approach : Combination of Expository - inquiry and collaborative learning
- b) Method : Discussions, questions/answers, sample problems/cases, group works
- c) Student Task : Homework, presentation
- d) Media : LCD projector

#### 5. Evaluation

- a) Absence maximum : 25%
  - b) Projects (individual & group) : 20 points
  - c) Presentation : 10 points
  - d) Daily Quiz : 10 points
  - e) Final Examination : 60 points
- Total : 100 points

#### 6. Contents/Topics of Lecturing

Week	Topics	Content	Remark
1	Introduction session	<ul style="list-style-type: none"> <li>• What is thinking?</li> <li>• Why we need to think</li> <li>• Correlation between cognition with thinking activities</li> <li>• Levels in cognition</li> </ul>	Group formation
2	Critical thinking	<ul style="list-style-type: none"> <li>• Correlation between critical thinking and creative thinking</li> <li>• Role of analytical thinking in critical thinking</li> <li>• How to analyze</li> <li>• Case study: problem identification</li> </ul>	Group exercise in writing problem identification
3	Reasoning	<ul style="list-style-type: none"> <li>• Main idea (conclusion) in reasoning</li> <li>• Premises in reasoning</li> <li>• Data and source of data as the strengths of the reasoning</li> </ul>	Group presentation: Problem identification exercise  Choosing topic for paper and project
4	Creative thinking as the way of problem solving	<ul style="list-style-type: none"> <li>• How to solve problem</li> <li>• What is creative thinking?</li> <li>• Elaborate ideas</li> <li>• Clear thinking and clear writing</li> </ul>	
5	Group presentations and review (pre-final paper)	<ul style="list-style-type: none"> <li>• Problem identification (based on analytical thinking)</li> <li>• Visible solution (based on creative</li> </ul>	Group final presentation: 1, 2, 3

		thinking)	Paper draft
6	Group presentations and review (pre-final paper)	<ul style="list-style-type: none"> <li>• Problem identification (based on analytical thinking)</li> <li>• Visible solution (based on creative thinking)</li> </ul>	Group final presentation: 4, 5 Paper draft
7	Evaluations on the previous discussions & chapters		Quiz 1 Final paper
8	Deductive & Inductive reasoning	<ul style="list-style-type: none"> <li>• Understanding about deductive reasoning (Categorical logic, truth functional logic)</li> <li>• Understanding about deductive reasoning (Syllogism, Analogy)</li> <li>• Causal Explanation</li> <li>• (Physical causal explanation, behavioral causal explanation)</li> </ul>	Lecturing Q&A  Group Discussion Q&A HW
9	Strategic Thinking	<ul style="list-style-type: none"> <li>• Understanding Strategic Thinking</li> <li>• Component of strategic thinking</li> <li>• Strategic Frame Work</li> <li>• Formulating Strategy</li> <li>• Case Study</li> </ul>	Lecturing Discussion Q&A
10	Standard for thinking and design for life	<ul style="list-style-type: none"> <li>• Universal intellectual standards</li> <li>• Design thinking for everyday life</li> <li>• How to use design thinking</li> <li>• Generate Idea - Think Out Of box (Creative thinking in business)</li> <li>• Business Model in Business Plan</li> <li>• Case Study</li> </ul>	Lecturing Group Discussion Q&A
11	Group presentations and review (final paper) Business Plan Implementation	<ul style="list-style-type: none"> <li>• Problem identification (based on analytical thinking &amp; Strategic thinking)</li> <li>• Visible solution (based on creative thinking &amp; Strategic thinking)</li> <li>• Generate Idea (role of an entrepreneur)</li> </ul>	Group final presentation: 1, 2, 3 Q&A
12	Group presentations and review (final paper) Business Plan Implementation	<ul style="list-style-type: none"> <li>• Problem identification (based on analytical thinking &amp; Strategic thinking)</li> <li>• Visible solution (based on creative thinking &amp; Strategic thinking)</li> <li>• Generate Idea (role of an entrepreneur)</li> </ul>	Group final presentation: 4, 5 Q&A
13	Evaluations on the previous discussions & chapters		Quiz 2
14	Review chapters for final exams		Final
15	Final Examination		

## 7. Book Reference:

- a) Main Textbook: Paul, R. W., & Elder, L. (2002). *Critical Thinking: Tools for Taking Charge of Your Professional and Personal Life*. USA: Prentice Hall.