COURSE	Name	: Special Topics in Telecommunications
	Code	: EE185635
	Credit(s)	: 2
	Semester	: (Elective Course)

Description of Course

Course on Special Topics in Telecommunications provides opportunities for students to learn fundamentally and in detail about the development of science and/or technology in the field of Multimedia Telecommunication which is considered important to be known by Masters level students. The material covered includes background theory, basic theories and concepts, development of method variants or algorithms, performance evaluations, and application concepts.

Learning Outcomes

Knowledge

(P01) Mastering the concepts and principles of science in a comprehensive manner, and to develop procedures and strategies needed for the analysis and design of systems related to the field of power systems, control systems, multimedia telecommunications, electronics, intelligent multimedia network, or telematics as a preparation for further education or professional career.

Specific Skill

(KK01) Being able to formulate engineering problems with new ideas for the development of technology in power systems, control systems, multimedia telecommunications, electronics, intelligent multimedia network, or telematics.

General Skill

(KU07) Being able to improve the capacity of learning independently.

(KU09) Being able to develop themselves and compete in national and international level.

Attitude

(S09) Demonstrating attitude of responsibility on work in his/her field of expertise independently.

Course Learning Outcomes

Knowledge

Mastering the scientific concepts and principles of Multimedia and / or Telecommunication Multimedia technology.

Specific Skill

Able to formulate engineering problems in the field of science and / or technology of Multimedia Telecommunication which become the topic of discussion.

General Skill

Able to understand critically the substance of international scientific papers and use them in research and development in the field of science and/or technology of Multimedia Telecommunication which become the topics of discussion.

Attitude

Able to show a responsible attitude in developing science and / or technology of Multimedia Telecommunication which become the topic of discussion.

Main Subjects
1. Background or supporting concepts and theories 2. Basic concepts and theories 3. Development of variant methods or algorithms 4. Performance evaluation 5. Concept of implementation
Reference(s)
[1] Supporting textbooks. [2] Papers from supporting journals or conferences.
Prerequisite(s)
- Random Process and Statistical Signal Processing - Propagation and Radiation - Digital Communication Systems - Network Engineering