

Academic Year: (2019 / 2020)

Review date: 17-05-2020

Department assigned to the subject: Electronic Technology Department

Coordinating teacher: TORRES ZAFRA, JUAN CARLOS

Type: Electives ECTS Credits : 3.0

Year : Semester :

ASSESSMENT SYSTEM

The evaluation is based on the following criteria:

- 1 partial exam comprising a complete thematic block related to different displays technologies. (PO a, e)
- The mark of this thematic blocks is the 40% of the whole mark.
- Laboratory Sessions: The knowledge and abilities of each student are also evaluated through the practical implementation of some optoelectronic circuits that allow the electrooptical characterization of different displays. This activity will be carried out in groups. Each group will deliver a final report of each session that will include the measurements and an analysis of the results. (20% of the final grade) (PO b, k)
- Final Exam: The students knowledge of all contents of the course is evaluated as a whole in this activity. Additionally, practical problems that involves several practical cases will allow evaluating the ability of the student to apply them to solve different engineering problems related to the use of different display technologies in real operation conditions (40%). (PO a, e)

Percentage of Final Exam (mandatory): 40

Percentage of Evaluation of Other Activities: 60

% end-of-term-examination:	40
% of continuous assessment (assignments, laboratory, practicals...):	60

BASIC BIBLIOGRAPHY

- E. Kaneko Liquid Crystal TV Displays: Principles and Applications of Liquid Crystal Displays, KTK Scientific Publishers, Tokio (1987)..
- J.A. Castellano Handbook of Display Technology, Academic Press, San Diego (1992)..
- M.A. Karim Ed Electro-optical Displays, Marcel Dekker Inc, New York (1992)..

ADDITIONAL BIBLIOGRAPHY

- B. Bahadur Ed. Liquid Crystals: Applications and Uses Vol. I, II y III,, World Scientific, Singapore (1990, 1992 y 1993)..