

SESSION 7

THE CONTROL UNIT

OBJETIVES

- To know how a Control Unit is designed.
- To know different Control Unit types, as well as their characteristics.
- To know microprogramming.

PREVIOUS KNOWLEDGE

Deep knowledge of digital electronic.

BIBLIOGRAPHY

- Fundamentos de los Computadores. Pedro de Miguel Anasagasti. Thomson-Paraninfo, 9^o ed. 2004.
- Estructura y Diseño de Computadores. David. A. Patterson and John L. Hennessy Ed. Reverte 2000.

TASKS

READINGS

FUNDAMENTOS DE LOS COMPUTADORES (Pedro de Miguel Anasagasti. Thomson-Paraninfo. 2004)

1. Chapter 7. Control Unit
 - a. Control Unit design (7.6)
 - b. Wired logic control unit (7.6.1)
 - c. Stored logic control unit (7.6.2)

• ESTRUCTURA Y DISEÑO DE COMPUTADORES (David. A. Patterson and John L. Hennessy Ed. Reverte 2000)

1. Chapter 5. Microprocessor data and control paths
 - a. Microprogramming: design control simplification (5.5)

EXERCISES

Download http://atc2.aut.uah.es/~aviciente/asignaturas/eoc/pdf/enunciados_t3.pdf some of them will be solved during the classes. Remaining non-solved exercises must be homework considered.