UNIVERSITATEA DIN CRAIOVA
FACULTATEA DE AUTOMATICĂ, CALCULATOARE ȘI ELECTRONICĂ
DEPARTAMENTUL DE CALCULATOARE ȘI TEHNOLOGIA INFORMAȚIEI

Tematica pentru examenul de licență
Programul de studiu: Calculatoare în limba engleză

Domenii:

1. **Mastering fundamental scientific, engineering and IT concepts:**
   a. Computer Graphics
   b. Data Structures
   c. Operating Systems
   d. Concurrent and Distributed Systems
   e. Formal Languages and Automata
   f. Modeling and Simulation

2. **Design skills in the fields of hardware, software and communications:**
   a. Computer Programming - Programming Techiniques
   b. Logical Design 1
   c. Logical Design II
   d. Computer Systems Architecture
   e. Object Oriented Design

3. **Problem solving using scientific and computer engineering tools:**
   a. Introduction to Information techonology
   b. Computer Programming
   c. Object Oriented Programming
   d. Databases
   e. Data Communication
   f. Microprocessor Design

4. **Improving the performances of the hardware, software and communication components:**
   a. Computer Networks
   b. Parallel and Distributed Algorithms
   c. Data Security

5. **Design, lifecycle management, integration and protection of hardware, software and communication systems:**
   a. Computer Structure and Organization
   b. Software Engineering
   c. Project Management

6. **Design of intelligent systems:**
   a. Artificial Intelligence
   b. Web Application Design
   c. E-Commerce
   d. Mobile Computing