



ROMÂNIA
MINISTERUL EDUCAȚIEI ȘI CERCETĂRII
UNIVERSITATEA DIN CRAIOVA
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NUMELE DISCIPLINEI: BAZELE COMENZILOR HIDRAULICE SI PNEUMATICE DE BORD II - PROIECT	COURSE NAME: BASICS OF HYDRAULIC AND PNEUMATIC COMMANDS ON BOARD I - PROJECT
DATE GENERALE	GENERAL INFORMATION
Program de studii: ECHIPAMENTE SI INSTALATII DE AVIATIE Anul: III Semestrul: II Credite ECTS: 2 Tipuri de activități: Proiect Tip evaluare: Verificare Titular: Conf.dr.ing. Liviu Dincă	Study Program: AVIATION EQUIPMENTS AND INSTALLATIONS Year: III Semester: II ECTS Credits: 2 Types of activities: Project Assessment: Verification Lecturer: Conf.dr.ing. Liviu Dincă
SCOPUL DISCIPLINEI	COURSE PURPOSE
Studentul trebuie sa cunoasca principalele probleme si sa dobandeasca deprinderile necesare pentru elaborarea proiectului unei instalatii hidraulice de bord	The student has to know the main problems and to acquire the necessary skills for the designing activity of a hydraulic on board installation
CERINȚE PREALABILE	PREREQUISITES
Analiză matematică, Matematici speciale, Fizica, Mecanica, Mecanica fluidelor, Bazele comenzilor hidraulice si pneumatice de bord I	Mathematical analysis, Special Mathematics, Physics, Mechanics, Fluid Mechanics, Basics of hydraulic and pneumatic commands on board I
OBIECTIVE	OBJECTIVES
• Obiectiv 1: Identificarea problemelor care apar in proiectarea unei actionari hidraulice • Obiectiv 2: Cunoasterea algoritmilor de proiectare a unei actionari hidraulice • Obiectiv 3: Dobandirea de abilitati de a rezolva probleme practice de complexitate medie legate de proiectarea actionarilor hidraulice	• Objective 1: Identification of the main problems that appear in hydraulic drives design • Objective 2: Knowledge of design algorithms for hydraulic drives • Objective 3: Acquiring skills to solve practical applications with medium complexity concerning the hydraulic drives design
CONȚINUT CURS	LECTURE CONTENT
1. Proiectarea unei actionari hidraulice de bord de complexitate medie	1. Design of an on board hydraulic drive with medium complexity
METODE DE EVALUARE	EVALUATION METHODS
Verificare	Verification
COMPETENȚE DOBÂNDITE	ACQUIRED COMPETENCIES
• Studentul cunoaste problemele si metodele de proiectare a actionarilor hidraulice • Studentul are capacitatea de a utiliza soft-urile de simulare a functionarii instalatiei proiectate • Studentul poate evalua critic diferite variante de actionari hidraulice	• The student knows the problems and methods in hydraulic drives design • The student has the skills to use the simulation software for the designed hydraulic drive • The student has the competence to critically evaluate different versions of hydraulic drives
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