Course Title:	**Algorithm and data structure**
Code:	CSE131
Program:	**Computer science Engineering**
Department:	**Computer Engineering**
Institution:	**ESIP**
Academic Year:	2021/2022
Semester:	01
Course Coordinator:	Dr. Naziha DHIBI
Date:	13/09/2021

Table of Contents

A. Course Identification

No	Instructor(s)	Location	Number of Sections	Number of Students	
				Starting the course	Completing the course
01	Dr. Naziha DHIBI	ESIP	SALLE II3+ Lab02	13/09/2021	16/01/2022

B. Course Delivery

1. Course Contact Hours (per semester)

No.	Activity	Planned	Actual
1	Lecture	45	45
2	Laboratory/Studio	45	45
3	Tutorial	-	-
4	Others(Specify)	-	-
	Total		

2. Topics not Covered

Topics	Reason for Not Covering	Extent of their Impact on Learning Outcomes	Compensating Action*
ANY	ANY	ANY	ANY

*Compensating actions already taken or suggested

3. Teaching Strategies

Planned Teaching Strategies	Were They Implemented?		Difficulties Experienced (if any) in Implementation	Suggested Action
	Yes	No		
lecturing	x		A little slow in understanding the lesson	Work projects with students
laboratory	x		-	-
Class discussions	x		-	-
Assignments		x	-	-
Theoretical lectures		x		

4. Activities/Assessment Methods

Activities/Planned Assessment Methods	Were They Implemented?		Difficulties Experienced(if any)in Implementation	Suggested Action
	Yes	No		
Assignments, exercises and participation throughout the course	x		No difficulties	
Evaluation of the quarterly work by following up on attendance	x		No difficulties	
Report	x		difficulty integrating into a group	encourage group work
Assignments		x		
Final theoretical exams	x		No difficulties	

5. Verification of Credibility of Students' Results

Method(s) of Verification	Conclusions
Correction of a random sample of students' tests by members of the training staff in the department.	no difficulties
Random selection of students and measurement of practical skills	no difficulties
Compare the results of the trainees and their level of success compared to other departments	no difficulties
Periodic review of the course by the Program Planning and Development Committee.	no difficulties

C. Student Results

Achievement Grades (65% * outcome weight)		3,9	0	0	4,55	0	0	0	4,55	0	0	0
Students achieved	No.	4	16	16	6	16	16	16	1	16	16	16
	Percentage (%)	25,00%	100,00%	100,00%	37,50%	100,00%	100,00%	100,00%	6,25%	100,00%	100,00%	100,00%
Students not achieved	No.	12	0	0	10	0	0	0	15	0	0	0
	Percentage (%)	75,00%	0,00%	0,00%	62,50%	0,00%	0,00%	0,00%	93,75%	0,00%	0,00%	0,00%

1. Distribution of Grades

	Grades									Status Distributions					
	A+	A	B+	B	C+	C	D+	D	F	Denied Entry	In Progress	Incomplete	Pass	Fail	Withdrawn
Number of Students	0	0	1	5	1	3	1	2	3		16				
Percentage	0	0	6,25	39,06	6,25	18,75	6,25	12,5	0	18,75	100				

2. Comment on Student Results

The results in its entirety are acceptable.
 - The weak levels of some trainees in previous courses (mathematics, Operational research , other subjects) relatively affected many of them obtaining the degree of excellence

3.Recommendations

Divide the trainees into groups, and assign them to do assignments.
- Further strengthening of practical capabilities through diversifying and intensifying training on devices and platforms.
- Encouraging the trainees' self-training processes with attention to practical applications and individual costs.
- Analyzing the results of the trainees' evaluation of the course and using them to improve and develop the course

D. Course Learning Outcomes

1. Course Learning OutcomesAssessment Results

	Course learning Outcomes (CLOs)	PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
1	**Knowledge and Understanding:**					
1.1	State and relate basics, principles, and theories related to algorithms	K.1	Assignments, Quizzes , Exams,	60%	25,00%	Difficulties related to the trainees' abilities in algorithms theory
2	**Skills:**					
2.1	Write simple algorithms: simple actions, alternative structures, iterative processing, used the concept of pointer and linked lists, and study two new very commonly used data structures: queues and stacks, manipulate the tree structure	S.1	Assignments, Quizzes , Exams,	70	37.50%	Difficulties related to the trainees' abilities in linked lists
3	**Values:**					
3.1	Ability to algorithms to resolve Computer science engineering problems	V.1	Assignments, Quizzes , Exams,	40%	06,25%	Difficulties related to trainees' abilities

Course learning Outcomes (CLOs)		PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
						in Trees structure to solve engineering problems

2.Recommendations

-Coordination with the trainers of the requirements courses to enhance the knowledge and capabilities of the trainees
- Encouraging the trainees' self-training processes with attention to practical applications and individual costs.

E. Course Quality Evaluation

1. Students Evaluation of the Quality of the Course

Date of Survey:	Number of Participants:	Percentage of Participation:	Evaluation Result:
StudentsFeedback		**Course Coordinator/Instructor Comments/Response**	
Strengths: • Clarity of the course plan, including the knowledge and skills that the course is designed to develop • The course instructor is interested in the extent to which the trainees understand the lesson		Further strengthening the confidence and satisfaction of the trainee	
Areas for improvement: • Further provision of equipment and platforms for this course • Develop technical support to support trainees using information technologies		Raising recommendations to the head of the department	
Suggestions for Improvement: • Working to provide modern training platforms • Solve problems related to Blackboard		Raising recommendations to the head of the department	

F. Difficulties and Challenges

Difficulties and Challenges	Consequences	Actions Taken
Administrative Issues		

Difficulties and Challenges	Consequences	Actions Taken
No problem	No problem	No problem
No problem	No problem	No problem
Learning Resources		
No problem	No problem	No problem
Facilities		
Training platforms		Raising recommendations to the head of the department
Equipment upgrade		Raising recommendations to the head of the department
Smart tablets		Raising recommendations to the head of the department

G.Course Improvement Plan

1. Course ImprovementActions

Recommended Actions	Actions Taken	Results	Comments
a. Previous course Report Recommendations			
b. Other Improvement Actions*			

* (The developmental measures taken during teaching the course and not included in the development plan of it)

2. Action Plan for Next Semester/Year

Recommendations	Actions	Responsibility For Implementation	Time		Needed Support
			Start	End	
1. Creating a question bank on the blackboard containing questions for each chapter of the course and making it available to the trainees	Coordination with the course instructor	Course Coordinator	x	x	-
2. Conducting open trial semester exams before taking the semester exams and during the semester	Coordination with the course instructor	Course Coordinator	x	x	-