Course Title:	**Modeling and performance evaluation**
Code:	**CSE543/2**
Program:	**Master degree In Computer Engineering**
Department:	**Computer Engineering**
Institution:	ESIP
Academic Year:	2021/2022
Semester:	05
Course Coordinator:	Mohamed Fadhel SAAD
Date:	26/01/2022

Table of Contents

A. Course Identification

No	Instructor(s)	Location	Number of Sections	Number of Students	
				Starting the course	Completing the course
01	M. Mounir Telli	ESIP	SALLE II3+ Lab02	13/09/2021	08/01/2022

B. Course Delivery

1. Course Contact Hours (per semester)

No.	Activity	Planned	Actual
1	**Lecture**	22.5	22.5
2	**Laboratory/Studio**	7.5	7.5
3	**Tutorial**		
4	**Others**(Specify)		
	Total	30	30

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	-
laboratory	x		-	-
Class discussions	x		-	-
Assignments	x		-	
Theoretical lectures		x	-	-

4. Activities/Assessment Methods

Activities/Planned AssessmentMethods	Were They Implemented?		Difficulties Experienced(if any)in Implementation	Suggested Action
	Yes	No		
Assignments, exercises and participation throughout the course exams	x		No difficulties	-Ask students to reflect - Practice frequency

Activities/Planned AssessmentMethods	Were They Implemented?		Difficulties Experienced(if any)in Implementation	Suggested Action
	Yes	No		
Evaluation of the quarterly work by following up on attendance	x		No difficulties	
Report		x	No difficulties	
Assignments	x			
Practical and theoretical test for the first term	x		No difficulties	
Final practical and theoretical	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

6.Recommendations

C. Student Results

Achievement Grades (65% * outcome weight)		0	4,55	3,9	0	4,55	0	0	0	0	0	0
Students achieved	No.	7	4	5	7	2	7	7	7	7	7	7
	Percentage (%)	100,00%	57,14%	71,43%	100,00%	28,57%	100,00%	100,00%	100,00%	100,00%	100,00%	100,00%
Students not achieved	No.	0	3	2	0	5	0	0	0	0	0	0
	Percentage (%)	0,00%	42,86%	28,57%	0,00%	71,43%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

1. Distribution of Grades

	Grades									Status Distributions					
	A+ >=1 8	A [16, 18[	B+ [14, 16[	B [12, 14[	C+ [10, 12[	C [8,1 0[	D+ [6,8 [	D [5, 6 [	F < 5	Denied Entry	In Progress	Incomplete	Pass	Fail	Withdrawn
Number of Students	0	1	0	5	0	0	0	0	1	0	7	0	0	0	0
Percentage	0	14.28	0	71.4	0	0	0	0	14.28	0	100	0	0	0	0

2. Comment on Student Results

The results in its entirety are unacceptable.
The weak levels of some trainees in some of the previous courses affected relatively 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	Modeling - Simple models based on Markov chains - More complex Queues type models Areas of application modeled in all parts of the course - Everyday life - Networks - Informatic Systems	K.2	Assignments, Quizzes, Exams,	80%	57,14 %	There are no difficulties

	Course learning Outcomes (CLOs)	PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
	- Production systems					
1.2	Analysis: - Markov chains - Simple queues - Product-form queuing networks Discrete event simulation	K.3	Assignments, Quizzes, Exams,	85%	71,43 %	There are no difficulties
2	**Skills:**					
2.1	Performance evaluation methods, Skills in the field of performance evaluation of different system architecture and sizing options: throughput, response time, quality of service, traffic and congestion control, resource utilization rate, availability, location of bottlenecks,	S.2	Assignments, Quizzes, Exams,	60%	28,57 %	Difficulties related to students' abilities in some courses

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		Raising recommendations to the head of the department	

• Develop technical support to support trainees using information technologies	
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		
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	