

<b>Course Title:</b>	<b>Statistical principles and methods</b>
<b>Code:</b>	<b>CSE342</b>
<b>Program:</b>	<b>Mathematics I</b>
<b>Department:</b>	<b>Computer Engineering</b>
<b>Institution:</b>	ESIP
<b>Academic Year:</b>	2021/2022
<b>Semester:</b>	03
<b>Course Coordinator:</b>	Dr. Naziha DHIBI
<b>Date:</b>	13/02/2022

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## A. Course Identification

No	Instructor(s)	Location	Number of Sections	Number of Students	
				Starting the course	Completing the course
01	Dr. Okba Basdouri	SALLE II2	3	23	23

## B. Course Delivery

### 1. Course Contact Hours (per semester)

No.	Activity	Planned	Actual
1	Lecture	30	30
2	Laboratory/Studio	-	-
3	Tutorial	15	15
4	Others(Specify)	-	-
Total		45	45

### 2. Topics not Covered

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Topics	Reason for Not Covering	Extent of their Impact on Learning Outcomes	Compensating Action*
NONE	NONE	NONE	NONE

\*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	make your lesson more impactful and engaging
Laboratory		x	-	no suggestion
Class discussions	x		-	no suggestion
Assignments	x		-	no suggestion
Theoretical lectures	x		-	no suggestion

#### 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			No difficulties	
Evaluation of the quarterly work by following up on attendance			No difficulties	
Assignments				
Practical and theoretical test for the first term				
Final practical and theoretical exams			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

#### 1. Distribution of Grades

Achievement Grades (65% * outcome weight)		2,6	1,95	1,3	1,95	1,3	1,95	0	0	0	0	1,95
Students achieved	No.	20	17	8	16	5	15	23	23	23	23	15
	Percentage (%)	86,96%	73,91%	34,78%	69,57%	21,74%	65,22%	100,00%	100,00%	100,00%	100,00%	65,22%
Students not achieved	No.	3	6	15	7	18	8	0	0	0	0	8
	Percentage (%)	13,04%	26,09%	65,22%	30,43%	78,26%	34,78%	0,00%	0,00%	0,00%	0,00%	34,78%

- F<5; D= [5, 6[; D+= [6, 8[;
- C= [8, 10[; C+= [10,12[; B= [12,14[;
- B+= [14,16[; A= [16,18[; A+= [18,20]

	Grades									Status Distributions					
	A+	A	B+	B	C+	C	D+	D	F	Denied Entry	In Progress	Incomplete	Pass	Fail	Withdrawn
Number of Students	2	4	6	5	2	1	0	0	3	0	23	0	0	0	0
Percentage	8.69%	17.39%	26.08%	21.73%	08.69%	6.25%	0	0	13.04%	0	100%	0	0	0	0

## 2. Comment on Student Results

The results of the students practically identical with the objectives set

### 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 Outcomes Assessment Results

Course learning Outcomes (CLOs)		PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
1	<b>Knowledge and Understanding:</b>					
1.1	State and relate basics, principles, and theories related to statistical analyzes.	k.1	Assignments, Quizzes, Exams,	80%	86,96 %	The high level of knowledge indicates the success of the course work strategy
1.2	Aware with basics, principles, and theories related to Statistical principles and methods	k.2	Assignments, Quizzes, Exams,	90%	73,91 %	No comment
1.3	the application of statistical methods.	k.3	Assignments, Quizzes, Exams,	50%	34,78 %	No comment

Course learning Outcomes (CLOs)		PLOs Code	Assessment Methods	Assessment Results		Comment on Assessment Results
				Target Level/ Criterion for Success	Actual Level	
2	Skills:					
2.1	Perform simple statistical analyzes	S.1	Assignments, Quizzes, Exams,	70%	69,57 %	Actual results are very close to the objectives at the skills level
2.2	Be able to read the results of a study statistical	S.2	Assignments, Quizzes, Exams,	50%	21,74 %	No comment
2.3	recognize the situations which require the application of statistical methods	S.3	Assignments, Quizzes, Exams,	75%	65,22 %	Actual results are very close to the objectives at the skills level
3	Values:					
3.4	-Mange the difficult problems by applying the statistical methods -Appreciate the role of statistics in the development of scientific knowledge	V.4	Assignments, Quizzes, Exams,	80%	65,22 %	

## 2.Recommendations

## E. Course Quality Evaluation

### 1. Students Evaluation of the Quality of the Course

Date of Survey:	Number of Participants: 14	Percentage of Participation: 60%	Evaluation Result: good
StudentsFeedback		Course Coordinator/Instructor Comments/Response	
<b>Strengths:</b> <ul style="list-style-type: none"> <li>Clarity of the course plan, including the knowledge and skills that the course is designed to develop</li> <li>The course instructor is interested in the extent to which the trainees understand the lesson</li> </ul>		Further strengthening the confidence and satisfaction of the trainee	
<b>Areas for improvement:</b> <ul style="list-style-type: none"> <li>Further provision of equipment and platforms for this course</li> <li>Develop technical support to support trainees using information technologies</li> </ul>		Raising recommendations to the head of the department	

<b>Suggestions for Improvement:</b> <ul style="list-style-type: none"> <li>• Working to provide modern training platforms</li> <li>• Solve problems related to Blackboard</li> <li>•</li> </ul>	Raising recommendations to the head of the department
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## 2. Other Evaluations

(e.g., Evaluations by faculty, program leaders, peer reviewers, others)

Evaluation method :	Date:
Evaluator(s) Comments	Course Coordinator/Instructor Comments/Response
<b>Strengths:</b> <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	
<b>Areas for improvement:</b> <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	
<b>Suggestions for Improvement:</b> <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>	

\* Add separate table for each evaluation

<b>3.Recommendations :</b>
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## F. Difficulties and Challenges

Difficulties and Challenges	Consequences	Actions Taken
<b>Administrative Issues</b>		
No problem	No problem	No problem
No problem	No problem	No problem
<b>Learning Resources</b>		
No problem	No problem	No problem
<b>Facilities</b>		
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
<b>a. Previous course Report Recommendations</b>			
<b>b. Other Improvement Actions*</b>			

\* (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	09/2022	x	-
2. Conducting open trial semester exams before taking the semester exams and during the semester	Coordination with the course instructor	Course Coordinator	09/2022	x	-