



COURSE REPORT (CR)

Course Name: Parallel and Distributed Systems

Course Code: 456CSS-3

Second Semester 2016/2017

Najran University
College of Computer Science and Information systems
Department of Computer science

June 2017

Institution	NAJRAN UNIVERSITY	Date of Course Report	June, 2017
College/ Department: College of Computer Science and Information Systems, Department of Computer Science			

A. Course Identification and General Information

1. Course title:	Parallel and Distributed Systems	Code #:	456CSS-3	Section # :	255	
2. Name of course instructor:	Shah Murtaza Rashid Al Masud	Location:	University City			
3. Year and semester to which this report applies:	First Semester 2017/2018					
4. Number of students starting the course?	05	Students completing the course?	05			
5. Course components (actual total contact hours and credits per semester):						
	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	30	6	30	-	-	66
Credit	2	0	1	-	-	3

B. Course Delivery

1. Coverage of Planned Program			
Topics Covered	Planned Contact Hours	Actual Contact Hours	Reason for Variations if there is a difference of more than 25% of the hours planned
Introduction to parallel system	1	4	
Parallel system architecture	1	4	
Parallel system architecture	1	4	
Performance of Parallel systems (speedup, efficiency, etc.)	2	8	

Introduction to distributed systems	1	4	
Distributed system models	2	8	
Inter-process communication	1	4	
Inter-process communication	1	4	
Remote invocation	1	4	
Distributed Operating system, Multimedia systems, Security issues	1	4	
Distributed File systems, Time synchronization	1	4	

2. Consequences of Non Coverage of Topics

For any topics where the topic was not taught or practically delivered, comment on how significant you believe the lack of coverage is for the course learning outcomes or for later courses in the program. Suggest possible compensating action.

Topics (if any) not Fully Covered	Effectuated Learning Outcomes	Possible Compensating Action
Distributed Operating system, Multimedia systems, Security issues	These parts are important because it provides more details about distributed systems concepts and issues.	NA
Distributed File systems, Time synchronization		

3. Course learning outcome assessment.

	List course learning outcomes	List methods of assessment	Summary analysis of assessment results
1	Define the basic concepts and terminologies of parallel and distributed systems.	Quiz Midterm 1 Examination Midterm 2 Examination	20%

		Final Examination	
2	Explain various parallel and distributed computing paradigms.	Midterm 1 Examination Midterm 2 Examination Final Examination	40%
3	Evaluate the performance and different issues of parallel, distributed and pipelined computing.	Assignment Midterm 1 Examination Final Examination	40%
4	Analyze the algorithms of parallel and distributed systems.	Midterm 2 Examination Final Examination	80%
5	Apply the knowledge and methods of parallel and distributed systems in programming using java.	Lab activities Lab Final examination	100%

Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above (General recommendation)

- Recommend the student for dean's award for showing positive and competitive behavior
- Tutorial Should be taken at least once in a week
- Students must be well trained during programming languages, operating system courses
- Availability of text and reference books in college library

4. Effectiveness of Planned Teaching Strategies for Intended Learning Outcomes set out in the Course Specification. (Refer to planned teaching strategies in Course Specification and description of Domains of Learning Outcomes in the National Qualifications Framework)

List Teaching Methods set out in Course Specification	Were these Effective?		Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties.
	No	Yes	
Interactive Lectures		√	
Group Discussions		√	

Lab Demonstrations	√		Students did not show in all Lab sessions because of non-mandatory policy of class attendance and it affected the students' performance in lab exams especially.
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Note: In order to analyze the assessment of student achievement for each course learning outcome, student performance results can be measured and assessed using a KPI, a rubric, or some grading system that aligns student work, exam scores, or other demonstration of successful learning.

C. Results

1. Distribution of Grades

Letter Grade	Number of Students	Student Percentage	Explanation of Distribution of Grades
A		0%	95% to 100% (A+ Grade) 90% to 94% (A Grade)
B	1	20%	85% to 89% (B+ Grade) 80% to 84% (B Grade)
C		0%	75% to 79% (C+ Grade) 70% to 74% (C Grade)
D	4	80%	65% to 69% (D+ Grade) 60% to 64% (D Grade)
F		0%	Below 60 F Grade
Denied Entry		0%	
In Progress		0%	
Incomplete		0%	
Pass		100%	
Fail		0%	
Withdrawn		0%	

2. Analyze special factors (if any) affecting the results

Blended method of teaching and no attendance policy affected the results and as students are not regularly attending the lectures so overall grades are not very good.

3. Variations from planned student assessment processes (if any) (see Course Specifications). NA

a. Variations (if any) from planned assessment schedule (see Course Specification) NA

Variation	Reason

b. Variations (if any) from planned assessment processes in Domains of Learning (see Course Specification)NA

Variation	Reason

4. Student Grade Achievement Verification (eg. cross-check of grade validity by independent evaluator).

Method(s) of Verification	Conclusion
Course coordinator checks all exams and make sure that they are related to CLOs and appropriate for the course.	The coordinator of the course checked all exams and other related materials related to the course.
A list of staff members have to check the grades of each one of the students in all exams.	The examination Committee assigned one faculty member to recheck the validity of the students' grades. More specifically, she checked the grades of students in all exams.

D. Resources and Facilities

1. Difficulties in access to resources or facilities (if any) Textbooks and references Required Windows 7 in Lab along with Java JDK and JCreator	2. Consequences of any difficulties experienced for student learning in the course. Insufficient textbooks and references Students are only studying the lecture handouts that are not enough for full understanding.
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E. Administrative Issues

1 Organizational or administrative difficulties encountered (if any)	2. Consequences of any difficulties experienced for student learning in the course. Students are not motivated to go to library and do assignment on time which is not a good sign for learning and there is no proper place where student can sit and study apart from library
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F Course Evaluation

1 Student evaluation of the course (Attach survey results report) : Survey is attached
<p>a. List the most important recommendations for improvement and strengths</p> <p>Criticisms: NA</p> <p>Strength:</p> <p>Clarity in course objective Encourage students to think, learn and work as a team Timing was strictly observed for exams, lectures etc Attention of individual students</p>
<p>b. Response of instructor or course team to this evaluation</p> <p>NA</p>
<p>2. Other Evaluation (e.g. by head of department, peer observations, accreditation review, other stakeholders)</p> <p>NA</p>
<p>a. List the most important recommendations for improvement and strengths</p> <p>Number of students were very less and this evaluation should not be considered as a source for improvement plan</p>
<p>b. Response of instructor or course team to this evaluation</p> <p>Number of students were very less and this evaluation should not be considered as a source for improvement plan</p>

G. Planning for Improvement

1. Progress on actions proposed for improving the course in previous course reports (if any).

Actions recommended from the most recent course report(s)	Actions Taken	Results	Analysis
a. Tutorial must be taken at least bi-weekly		During the course semester	Course Instructor
b. Availability of text and reference in college library		Before starting of the first semester 2017/2018	Text book committee
c. Students must be well trained during programming languages, operating system and computer networks courses		During next semester onwards in respective courses	Concerned course instructors
d. Availability of Windows 7, Java JDK , and JCreator in Lab room		Before starting of the first semester 2017/2018	Lab Coordinator

2. List what actions have been taken to improve the course (based on previous CR, surveys, independent opinion, or course evaluation).

- Recommend the student for dean's award for showing positive and competitive behavior
- Tutorial Should be taken at least once in a week
- Students must be well trained during programming languages, operating system courses
- Availability of text and reference books
- Availability of Windows 7, Java JDK , and JCreator in Lab room

3. Action Plan for Improvement for Next Semester/Year

Actions Recommended	Intended Action Points and Process	Start Date	Completion Date	Person Responsible
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Students award for outstanding students		At the end of every semester	NA	College Deanship
More emphasis on course Lab		Starting from first semester 2017/2018		Course Instructor
CLOs must be explained to students in first introductory lecture		Starting from first semester 2017/2018		Course Instructor
Students must know the importance of CLOs and SOs assessment process and methods. Better to have workshop for students regarding quality.		Starting from first semester 2017/2018		DQU unit
Proper utilizing the tutorial time to solve exercise.		Starting from first semester 2017/2018		Course Instructor
Make the students attendance compulsory		Starting from first semester 2017/2018		University top management
Checking the readiness of classrooms and labs		Starting from first semester 2017/2018		College administration
Availability of text and reference books in college library		Starting from first semester 2017/2018		College Deanship

Faculty or Teaching Staff: Shah Murtaza Rashid Al Masud

Signature: *Masud*

Date Report Completed: May 2017

Received by: Dr. Abdul Rahman S Al Thaqfan

Dean/Department Head

Signature:



Date: May 2017