YOGYAKARTA STATE UNIVERSITY
FACULTY OF MATHEMATICS AND NATURAL SCIENCE

LESSON PLAN

RPP/MAA 319/08
1 April 2010

1. Faculty /Study Program : Mathematics and Natural Science/Mathematics Education
2. Course / Code : Computer Programming, MAA 319
3. Credit : Theory : 2 Practice : 1
4. Semester/Time : Sem: V, Time : 2 x 100 minutes
5. Basic Competence : Students are able to compose a program that contain a looping using while do and repeat until statement
6. Indicator :
   - Students are able to compose a program that contain a looping using while do statement
   - Students are able to compose a program that contain a looping using repeat until statement
   - Students are able to explain the difference between while do and repeat until statement

7. Essential Concepts : LOOPS: while do, repeat until
8. Learning Activity : 17

Component	Detail Activity	Time	Method	Media	References	Character
Opening	• Lecturer greets the students and asks some students to tell some important points of the topic in the last meeting • Lecturer describes its relation to the next topic.	5’	Explanation and Discussion	Computer, LCD	A:32-33, B.4	Thinking logically, critically, creatively, and innovatively Caring about social matters and environment
Main Activities	• Students get opportunity to read the handout for a few minutes and the express their understanding of the topic • Lecturer facilitates students to get the main idea of the topic • In pair, students discuss the topic, and try to compose a program using while do and repeat until statement • Students present their idea to other students • Other students give their opinion	75’	Explanation Demonstration, Discussion, practice, group work			
Closure	Lecturer gives feedback to the result of students’	10’				

Follow up	work Students are asked to study further about algorithm and find many resources about them in the Internet	10’				

Learning Activity : 18 (practice, 1 sks practice = 100’)

Component	Detail Activity	Time	Method	Media	References	Character
Opening	Lecturer greets students and deliver a lab sheet	5’	Explanation and Discussion	Computer, worksheet		Thinking logically, critically, creatively, and innovatively Caring about social matters and environment
Main Activities	Students practice and do exercises to compose a program to solve a given problems using loop statement	80’	Practice, by self/in a group		worksheet / quiz	
Closure	Lecturer gives feedback to the result of students’ work	10’	Explanation			
Follow up	Lecturer describes the introduction of the next material Students are supposed to read the next material in handout and explore the Internet.	5’	Explanation			

9. Assessment

Write down a program to find the average of n data using while-do and repeat until statement.

10. References

A. Compulsory :

Sri Andayani, 2010. Handout of Computer Programming, FMIPA UNY.

B. Additional

1. Jogiyanto, H.M. (1989). Turbo Pascal, Yogyakarta, Andi Offset
2. http://pascalprogramming.byethost15.com
3. http://www.taoyue.com
4. http://www.geocities.com/SiliconValley/Horizon/5444/

Yogyakarta, 23 August 2010
Lecturer,

Sri Andayani, M.Kom
NIP 19720426 199702 2 001