1. Faculty /Study Program : MIPA/Mathematics Education
2. Course / Code : Real analysis
3. Credit : Theory : 3 sks Practice : 0 sks
4. Semester / Time : VI Time : 100 minutes
5. Basic Competence : Explaining cauchy sequences
6. Indicator : Students are able to explain cauchy sequence definition and use it to proof problem related to cauchy sequence
8. Learning Activity : 2x50 minutes

Component	Detail Activity	Time	Method	Media	Reference	
Introduction	1. Explain briefly the course syllabus 2. Explain briefly about advantages of the course 3. Give apperception	10’	Group discussion, presentation	LCD, white board	[A]:81-82	
Main Activities	1. Students in group present the discussion results about Cauchy sequence definition and lemma 3.5.3 (30 minutes) 2. Students do exercise in worksheet individually (15 minutes) 3. Students in group discuss the problem in worksheet(15 minutes) 4. Students present the discussion results about problem in worksheet(20 minutes)	80’				
Closing Activity	1. Conclude the entire materials 2. Give tasks	10’				

9. Evaluation
   The evaluation is performed based on the students activities in discussion, doing exercise.

10. References
[A] Bartle, GR. (1999). *Introduction on real analysis*. USA: McGraw-Hill Co.

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