Module designation	*Mobile Programming*
Semester(s) in which the module is taught	*6*
Person responsible for the module	*1. Bambang Sumarno M.Kom.* *2. Thesa Adi Saputra Yusri M.Cs.*
Language	*Bahasa Indonesia*
Relation to curriculum	*Elective course*
Teaching methods	*150 minutes lectures and 180 minutes structured activities per week.*
Workload (incl. contact hours, self-study hours)	*Total workload is 136 hours per semester which consists of 150 minutes lectures, 180 minutes structured activities, and 180 minutes self-study per week for 16 weeks.*
Credit points	*3*
Required and recommended prerequisites for joining the module	*MAT6307 - Algorithm and Programming*
Module objectives/intended learning outcomes	*Students know that/know how to/are able to* *CO1 Be devoted to God Almighty and able to demonstrate religious and characterful attitudes* *CO2 Participate actively, responsibly, and with motivation to develop oneself* *CO3Have an understanding of the basic concepts of Android programming Think critically, creatively, innovatively, and systematically in the development of science and technology, both independently and in groups* *CO4 Understand activities and intents in an Android application* *CO5 Implement widgets and be able to store data in arrays and files, as well as utilize databases on Android* *CO6 Create a complete Android program and be able to distribute Android program packages*
Content	*This course provides the basic concepts of mobile programming, focusing on Android application programming. One of the factors in choosing Android as the subject of this course is the large market share of Android. Students will gain an understanding of the basic concepts of* *Android programming, designing an application, and the procedures for distributing the application. In addition to theory, the material is delivered using practical methods that are carried out directly by students in class so that obstacles encountered during the design and creation of applications can be discussed directly.*

<table>
<tr><td>Examination forms</td><td>CO1: Attitude assessment is carried out at each meeting by observation and / or self-assessment techniques using the assumption that basically every student has a good attitude.</td></tr>
<tr><td>Study and examination requirements</td><td>The student is given a value of very good or not good attitude if they show it significantly compared to other students in general. The result of attitude assessment is not a component of the final grades, but as one of the requirements to pass the course. Students will pass from this course if at least have a good attitude.

The final mark will be weight as follow:
<table>
<tr><th>No</th><th>CO</th><th>Assessment Object</th><th>Assessment Technique</th><th>Weight</th></tr>
<tr><td>1</td><td>CO 1</td><td>a. Presentation
b. Discussion</td><td>Observation</td><td>5%
10%</td></tr>
<tr><td>2</td><td>CO 2, CO 3, CO 4</td><td>a. Individual assignment
b. Group assignment
c. Quiz
d. Midterm
e. Final test</td><td>Written</td><td>10%
10%
20%
20%
25%</td></tr>
<tr><td colspan="4">Total</td><td>100%</td></tr>
</table></td></tr>
<tr><td>Reading list</td><td>1. Safaat N.H. 2014. Android: Pemrograman Aplikasi Mobile Smartphone dan Tablet PC Berbasis Android. Bandung: Informatika.

2. Wahana Komputer. 2013. Step by Step Menjadi Programmer Android. Yogyakarta: Andi.

3. Michael, I.S. 2011. Membongkar Source Code Berbagai Aplikasi Android. Yogyakarta: Gava Media.

4. Priyo E.U. 2012. From Newbie to Advanced – Mudahnya Membuat Aplikasi Android. Yogyakarta: Andi.</td></tr>
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