

**COURSE OUTLINE**  
(SATUAN ACARA PENGAJARAN)

Course	<b>Komunikasi Bergerak dan Nirkabel</b> y : 2008/2009
Course Leader	Ir. Muhamad Asvial, M.Eng., PhD E : <a href="mailto:asvial@ee.ui.ac.id">asvial@ee.ui.ac.id</a> W : <a href="http://www.ee.ui.ac.id/lecturer.php?id=asvial">www.ee.ui.ac.id/lecturer.php?id=asvial</a> Mobile: 081382984852
<i>Referred Research Group and Affiliations in Elektro UI</i>	- CICER ( <i>Center for Information and Communications Engineering Research</i> ) <a href="http://www.ee.ui.ac.id/cicer">www.ee.ui.ac.id/cicer</a> - Mobile Communications Research Group
References	<ul style="list-style-type: none"> <li>- T.S. Rappaport, Wireless Communications: Principles and Practice, Prentice Hall, 1996</li> <li>- Goodman, David, J., Wireless and Mobile Communications</li> <li>- Lee, William CY., Mobile Cellular Telecommunications: Analog and Digital</li> <li>- Pahlawan, K and Levesque, AH., Wireless Information Networks</li> </ul>
Grading system	UTS, UAS, Assignment (35%, 45%, 20%)
General objective	Understanding the concept of wireless communication and any problems and solving in the field
Minggu 1	Introduction to Wireless Communication Networks
Minggu 2	Cellular Concept - 1
Minggu 3	Cellular Concept - 2
Minggu 4	Channel Charaterization + Assignment 1
Minggu 5	Applications of Large Variation Models
Minggu 6	Radio Resource Management
Minggu 7	Random Multiaccess Technique +Assignment 2
Minggu 8	UTS
Minggu 9	Mobility Management
Minggu 10	Wireless Security
Minggu 11	WLAN and WiMAX
Minggu 12	UWB Wireless Communication +Assignment 3
Minggu 13	Multimedia Wireless Communication
Minggu 14	Mobile Broadband Wireless Access
Minggu 15	Broadband Satellite Communication +Assignment 4
Minggu 16	UAS