

MATA KULIAH SEMESTER 4, JURUSAN SISTEM INFORMASI, PEMINATAN STRATEGIC INFORMATION SYSTEMS, BINUS UNIVERSITY

1. M0126 – ADVANCED INFORMATION SYSTEM ANALYSIS AND DESIGN (4/2 Credits)

Objectives : Students are able to: Design Object oriented information system; Arrange the result of analysis and design in a documentation; Implement every steps of analysis and design of object oriented information system.

Materials : UML Notation, Diagram architecture; Diagram component; Model Component; Function Component; Coupling and Cohesion; Documentation.

Bibliography :

1. Mathiassen. (2000). *Object Oriented Analysis and Design*. 1st edition. Marko Publishing, Denmark. ISBN 8777511606.
2. Larman, Craig. (1998). *Applying UML and Patterns: An Introduction to Object Oriented Analysis and Design*. Prentice Hall International, New Jersey. ISBN 0-13-748880-7.
3. Bennet, Simon. (2002). *Object Oriented Systems Analysis and Design Using UML*. 2nd edition. McGraw-Hill, Great Britain. ISBN 0-07-709864-1.
4. Burd, S. D., & Jackson, R. B., & Satzinger, J.W. (2005). *Object-oriented systems analysis and design with the Unified Design*. 4th Edition. Course Technology. Boston. ISBN: 978-0-619-21643-6.

2. CB122 – CHARACTER BUILDING II (2 Credits)

Objectives : After completing this course student will be able to describe the connection between good attitude and behavior in social life, by respecting the social values which prevail, in order to create and maintain the peaceful life in society.

Materials : (1) TOPIC I: SOCIAL ENVIRONMENT : Subtopic 1: First social environment; Subtopic 2: Society and culture; Subtopic 3: Nation and Country (I); Subtopic 4: Nation and Country (II); (2) TOPIC II: SOCIAL INTERACTION : Subtopic 5: Social communication; Subtopic 6: Value and social norm; Subtopic 7: Prejudice and social conflict; Subtopic 8: Social intercourse and friendship; TOPIC III: SOCIAL ATTITUDE AND BEHAVIOR : Subtopic 9: Respect and appreciate each other; Subtopic 10: Open and honest; Subtopic 11: Social care; Subtopic 12: Keep the trust; Subtopic 13: Being fair.

Bibliography :

1. Adeney, Bernard T. (2000). *Etika Sosial Lintas Budaya. (judul asli: Strange Virtues, Ethics in a Multicultural Word*, diterjemahkan oleh Ioanes Rakhmat). Kanisius, Yogyakarta.
2. Bakker, J.W.M. (1994). *Filsafat Kebudayaan, Sebuah Pengantar*. Cetakan 6. Kanisius, Yogyakarta.
3. Basah, Sjachram. (1997). *Pengantar Ilmu Negara, Metode dan Sejarah Perkembangan*. Citra Aditya Bakti, Bandung.
4. Budiardjo, Miriam. (1986). *Dasar-dasar Ilmu Politik*. Gramedia, Jakarta.
5. Chandra, Julius. (2001). *Hidup Bersama Orang Lain*. Cetakan 16. Kanisius, Yogyakarta.
6. Fromm, Erich. *Cinta, Seksualitas, Matriarki Gender. (judul asli: Love, Sexuality, and Matriarchy about Gender*, alih bahasa: Pipit Maizier. Jalasutra, Yogyakarta.
7. Gea, Antonius Atosökhi, et al. (2003). *Character Building II: Relasi Dengan Sesama*. Elex Media Komputindo, Jakarta.
8. Hadi, P. Hardono. (1994). *Hakikat dan Muatan Filsafat Pancasila*. Cetakan 1. Kanisius, Yogyakarta.
9. Hamachek, Don E. (2002). *Encounters with Others: Interpersonal Relationships and You* (Handaya, Ben, CBS College Publishing, New York) *Etiket dan Pergaulan*. Cetakan 18. Kanisius, Yogyakarta.
10. Hardjana, M. Agus. (2001). *Konflik di Tempat Kerja*. Cetakan 5. Kanisius, Yogyakarta.
11. Huijbers, Theo. (1999). *Filsafat Hukum*. Cetakan 5. Kanisius, Yogyakarta.
12. Kirberger, Kimberly & Colin Mortensen. (2001). *Kiat-kiat dan Kisah-kisah tentang Indahnya Menjalin Persahabatan*. Judul asli: *Teen Love On Friendship*, alih bahasa: Nana Soebianto. Gramedia, Jakarta.
13. Koentjaraningrat (2000). *Kebudayaan, Mentalitas dan Pembangunan*. Cetakan 19. Gramedia, Jakarta.
14. Meadow, Jo Mary (2001). *Memahami Orang Lain, Meningkatkan Komunikasi dan*

Hubungan Baik dengan

Orang Lain. Cetakan 11. Kanisius, Yogyakarta.

15. Mulyana, Deddy, Dr., MA. & Drs. Jalaluddin Rakhmat M.Sc. (2000). **Komunikasi Antarbudaya, Panduan**

Berkomunikasi dengan Orang-orang Berbeda Budaya. Cetakan 5. Remaja Rosdakarya, Bandung. 16.

Sujarwa, Drs. (1999). **Manusiadan Fenomena Budaya.** Cetakan 1. Pustaka Pelajar Offset, Yogyakarta. 17. Sumarsono, S., Drs., MBA, dkk. (2001). **Pendidikan Kewarganegaraan.** Gramedia, Jakarta.

18. Supratiknya, A., Dr. (1999). **Komunikasi Antarpribadi: Tinjauan Psikologis.** Cetakan 4, Kanisius, Yogyakarta

19. Suryawasita, A., SJ. (1989). **Asas Keadilan Sosial.** Cetakan 1. Kanisius, Yogyakarta.

20. Suseno-Magnis, Frans. (1994). **Etika Politik: Prinsip-Prinsip Moral Dasar Kenegaraan Modern.** Cetaka 4. Gramedia, Jakarta.

3. M0164 – END USER INFORMATION SYSTEM (4 Credits)

Objectives : At the end of this course, the students should be able to: Create Applications Design And Strategic Planning of EUIS Project; Connect the use of Productivity Tools for Individuals and Workgroups; Understand how to Manage Help-Desk Applications; Identify the Basic Concepts of End User Information Systems.

Materials : Introduction to End User Information System (EUIS); EUIS strategic planning; Business process reengineering and Job Redesign; Human Factor : H/W, S/W and Workplace Design; Training End-Users; Supports and Help Desk Managements; Analyzing the Advantage and Cost of EUIS Projects (Assessing the Value of IT); EUIS Project Managements: Implementation, Principles, Assessments and Designs; Knowledge Management; Life in Networked Organization; Work Group Computing; EUIS Application to Improve Productivity (Productivity Tools For Individual).

Bibliography :

1. Regan, Elizabeth A, Bridget O'Connor. (2002). **End-User Information System: Implementation individual and Work Group Tech.** 2nd edition. Prentice Hall International. ISBN 0120182648.
2. McLeod, Dan. (1998). **The Office Ergonomics Tool Kit.** Boca Raton: Lewis Publishing.
3. Panko, Raymon R. (1998). **End User Computing.** John Wiley & Sons. ISBN 0471011029.

4. M0154 – MANAGEMENT SUPPORT SYSTEM (4 Credits)

Objectives : After finishing this course, the students should be able to: Understand Systems Structure and Approach, The Relation between Data, Information, and Knowledge With Management Policies; Understand The Concept of Problem Solving and Management Decision Making as a Part of Management Support Systems; Understand the Basic Concept and are able to make a Development Strategies and Design of Decision Support Systems and Executive Information Systems; Be Skilled to use Computer Application for Strategic Plannings and Decision Makings.

Materials : Introduction to Systems Science; Data, Information, Knowledge and Managerial Policies; Basic Concept of Decision Support Systems; Technological Components of Decision Support Systems; Strategy and Design of Decision Support Systems; The Basic Concept of Executive Information Systems; The Framework of Executive Information Systems Development; Technologies of Decision Support Systems and Executive Information Systems; Application Evaluation of DSS and EIS; Success Types to Develop EIS Applications.

Bibliography :

1. Turban, Efraim. (2005). **Decision Support System and Intelligent Systems.** 7th edition. Prentice Hall International, Engelwood Cliffs, New Jersey.
2. Turban, Efraim. (1995). **Decision Support System and Intelligent Systems.** 5th edition. Prentice Hall International, Engelwood Cliffs, New Jersey.
3. Watson, Hugh. J, et all. (1997). **Building Executive Information System and other Decision Support Applications.** John Wiley & Sons, Canada. ISBN 0471069302.

5. M0564 – INTRODUCTION TO DATABASE SYSTEMS (2/2 Credits) *

Objectives : By the end of this course, the students will be able to: Create database and prepare data and tables that appropriate to the requirement of organization.

Materials : Introduction to Database; Database Environment; The Relational Model; SQL: Data Definition; SQL: Data Manipulation; SQL: Data Manipulation; Commercial RDBMSs.

Bibliography :

1. Connolly, T.M. & Begg, C.E. (2005). **Database Systems: A Practical Approach to Design, Implementation and Management.** 4th edition. Addison-Wesley. New York.
2. Elmasri, R. & Navathe, S.B. (2004). **Fundamentals of Database Systems.** 4th edition. Addison Wesley. New York.

3. Hoffer, J.A., Prescott, M.B. & McFadden, F.R. (2007). **Modern Database Management**. 8th edition. Prentice Hall. New Jersey.

6. M0874 – PROGRAMMING II (4 Credits)

Objectives : Matakuliah ini mempelajari bagaimana merumuskan, menerapkan, mengembangkan, dan mengimplementasikan pemrograman GUI dengan konsep-konsep berorientasi objek pada pemrograman C#.

Materials : Introduction to .Net, Introduction to C# Programming, Control Structures, Methods, Arrays, Object-Oriented Programming: Inheritance, Object-Oriented Programming: Polymorphism, Graphical User Interface Concepts: Part I, Graphic User Interface Concepts: Part 2, Strings, Characters, and Regular Expressions, Database, SQL, and ADO .NET-Part I, Database, SQL, and ADO .NET-Part II, Graphics and Multimedia

Bibliography :

1. Watson, K. (2001). **Beginnig C#**. 1. Wrox Press Ltd. United States. ISBN: 1861004982.
2. Deitel, H.M. (2002). **C# How To Program**. 1. Pretince-Hall, Inc.. New Jersey. ISBN: 0-13-062221-4.
3. Troelsen, A. (2008). **Pro C# 2008 and the .Net 3.5 Platform**. 4. Apress. United States. ISBN: 978-1-59059-884-9.