EE4001 SOFTWARE ENGINEERING

Reference


Mauro Pezzè and Michal Young, *Software testing and analysis: process, principles, and techniques*, Wiley, 2008 (QA76.76.T48P522)


EE4040 ENGINEERS AND SOCIETY

Reference

Kwa Chong Guan, Derek Heng, Tan Tai Yong. *Singapore, a 700-year history: from early emporium to world city*, National Archives of Singapore, 2009. (Call no: DS610.4.K98)


EE4041  HUMAN RESOURCE MANAGEMENT

Textbook


Reference


Jac. Fitz-enz, The 8 practices of exceptional companies: how great organizations make the most of their human assets, AMACOM, 1997 (HD58.9.F548T, E-book)


EE4105  CELLULAR COMMUNICATION SYSTEM DESIGN

Textbook


**EE4109 MICROWAVE CIRCUIT AND SYSTEM DESIGN**

*Reference*


**EE4110 OPTICAL COMMUNICATION SYSTEM DESIGN**

*Textbook*


*Reference*


**EE4151** RF AND MICROWAVE ENGINEERING

Textbook


References


**EE4152** DIGITAL COMMUNICATIONS

Textbook


Reference


EE4153  TELECOMMUNICATION SYSTEMS

Textbook


Reference


EE4188  WIRELESS COMMUNICATIONS

Textbook


Reference


EE4189  SPREAD SPECTRUM COMMUNICATIONS

Textbook

Ipatov, Valery P. Spread spectrum and CDMA: principles and applications, Wiley, 2005
(Call no: TK5103.45.I64, E-Book)

Reference

(Call no: TK5103.7.Z66I)

Oxford University Press, 2009 (TK5101.L352 2009)

PTR, 2001 (TK5103.7.S628 2001, TK5103.7.S628 2001A)


EE4190  INTRODUCTION TO MODERN RADAR

Textbook

(Call no: TL696.R2S859 1998)

Reference

Richards, M. A. Principles of modern radar: basic principles, SciTech Pub., 2010
(TK6575.P957 V1)

Mahafza, Bassem R. Radar signal analysis and processing using MATLAB, CRC Press, 2009
(TK6575.M214RS, E-Book)

Wirth, W. Radar techniques using array antennas, Institution of Electrical Engineers, 2001
(TK6590.A6R124T, E-book)


EE4207 CONTROL ENGINEERING DESIGN

**Reference**


EE4208 INTELLIGENT SYSTEMS DESIGN

**Reference**


EE4265 PROCESS CONTROL SYSTEMS

**Textbook**


**Reference**


**EE4266**

**COMPUTER VISION**

**Textbook**


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**DIGITAL CONTROL SYSTEMS**

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**Reference**


### EE4285 COMPUTATIONAL INTELLIGENCE

**Textbook**


**Reference**


### EE4303 MIXED-SIGNAL IC DESIGN

**Textbook**

Reference


EE4304 RADIO FREQUENCY INTEGRATED SYSTEM DESIGN

Textbook

(Call no: TK6560.R278 2012)

Reference


EE4305 DIGITAL DESIGN USING HARDWARE DESCRIPTION LANGUAGE

Textbook

(Call no: TK7885.7.Y16 2005)

Reference


EE4340  VLSI SYSTEMS

Textbook

Reference


EE4341  ADVANCED ANALOG CIRCUITS

Textbook

Reference


**EE4343**  
**RADIO FREQUENCY CIRCUITS**

**Textbook**


**Reference**


**EE4344**  
**ANALYSIS AND DESIGN OF INTEGRATED CIRCUITS**

**Textbook**


**Reference**


Lin, Ming-Bo. Introduction to VLSI systems: a logic, circuit, and system perspective, CRC Press, 2012 (TK7874.75.L735)


EE4413 DSP SYSTEM DESIGN

Reference


EE4455 EMBEDDED SYSTEMS

Textbook


Reference


**EE4475  AUDIO SIGNAL PROCESSING**

**Textbook**


**Reference**


**EE4476  IMAGE PROCESSING**

**Textbook**


**Reference**

Pitas, I. *Digital image processing algorithms and applications*, Wiley, 2000 (TA1637.P681)


**EE4478 DIGITAL VIDEO PROCESSING**

**Textbook**

(Call no: QA76.575.S555 2008, E-book)


**Reference**


Murat Tekalp, *Digital video processing*, Prentice Hall PTR, 1995 (TK6680.5.T266)

(QC100.B862 BS EN ISO/IEC 11172-2 1995) –British Standard available online

–British Standard available online

EE4483  ARTIFICIAL INTELLIGENCE & DATA MINING

Textbook


Reference

Jiawei Han and Micheline Kamber, *Data mining: concepts and techniques*, 3rd Edition, Morgan Kaufmann, 2012 (QA76.9.D343H233 2012)


EE4490  MULTIMEDIA SYSTEMS

Textbook


Reference


EE4503  POWER ENGINEERING DESIGN

Textbook


Reference


---

**EE4504 DESIGN OF CLEAN ENERGY SYSTEMS**

Textbook


Reference


---

**EE4530 POWER SYSTEM ANALYSIS AND CONTROL**

Textbook


Reference


EE4532  POWER ELECTRONICS AND DRIVES

Textbook


Reference


EE4533  POWER APPARATUS AND SYSTEM PROTECTION

Textbook


Reference


EE4534  MODERN DISTRIBUTION SYSTEMS WITH RENEWABLE RESOURCES

Textbook

(Call no: TK3001.P112E 2005)


Reference


EE4613  CMOS PROCESS AND DEVICE SIMULATION

Reference


EE4614  DEVICE PARAMETER EXTRACTION AND LAYOUT IMPLEMENTATION

Reference

Synopsis TCAD manual-MEDICI
Details of this are available from: - www.synopsys.com/tools/tcad


EE4645 **MICROFABRICATION ENGINEERING**

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**Reference**


EE4646 **VLSI TECHNOLOGY**

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EE4647  
MICROELECTRONIC DEVICES

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Reference


EE4648  
FLAT PANEL DISPLAY TECHNOLOGIES

Reference


EE4694  IC RELIABILITY AND FAILURE ANALYSIS

Textbook


Reference


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Textbook


Reference


EE4717  WEB APPLICATION DESIGN

Reference


**EE4718 ENTERPRISE NETWORK DESIGN**

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**Reference**


EE4758 COMPUTER SECURITY

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Reference


EE4761 COMPUTER NETWORKING

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EE4791 DATABASE SYSTEMS

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Reference


EE4815  
**OPTICAL DESIGN**

Textbook


Reference


EE4816  
**PHOTONIC DEVICES: DESIGN AND CHARACTERIZATION**

Textbook

Reference


**EE4836 SEMICONDUCTOR OPTOELECTRONICS**

Textbook


Reference


EE4838  LASER ENGINEERING AND APPLICATIONS

Textbook

(Call no: QC688.S968 2010, E-Book)

Reference


EE4839  FIBRE OPTIC COMMUNICATIONS

Textbook

(Call no: TA1800.H447 2006)

Reference


EE4840  BIOPHOTONICS

Textbook

(Call no: QH515.P911, E-book)
Reference


EE4901 BIOMEDICAL CONTROL SYSTEM DESIGN

Reference


EE4902 DESIGN OF MEDICAL INFORMATION PROCESSING SYSTEMS

Reference


EE4903 PHYSIOLOGICAL SYSTEMS ANALYSIS

Reference


EE4904 BIOMEDICAL INSTRUMENTATION

Textbook


Reference

Brown B H, Medical Physics and Biomedical Engineering, Institute Of Physics, 1999 (R895.M489, E-Book)


EE4905  BIOMEDICAL SIGNAL PROCESSING

Reference

(Call no: R857.S47B886, E-book)


EE4906  MEDICAL IMAGING SYSTEMS

Textbook


References


(RC78.7.U4A584 V1, RC78.7.U4A584 V2)