PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library Shelfmark

PAPER 1

MECHANICS [F	Prof D Cebon] Lent	
*BEER, F.P. & JOHNSTON, E.R.	VECTOR MECHANICS FOR ENGINEERS: STATICS AND DYNAMICS <u>McGraw-Hill</u> 7 th edition 2004	RA.207
*HIBBELER, R.C.	ENGINEERING MECHANICS – DYNAMICS (SI UNITS) <u>Prentice Hall</u> 3 rd edition 2004 ENGINEERING MECHANICS: STATICS AND DYNAMICS <u>Pearson Educational</u> 13th edition 2012	RA.202 on order
*MERIAM, J.L. & KRAIGE, L.G.	ENGINEERING MECHANICS. VOL.2: DYNAMICS Wiley 6 th edition 2008	RA.215
*PRENTIS, J.M.	ENGINEERING MECHANICS Oxford University Press 1992 (Paperback, good introductory text)	RA.135

PAPER 2

STRUCTURES [Dr	SD Guest, Dr K Seffen] Michaelmas and Lent	
*CASE, J., CHILVER, A.H. & ROSS, C.T.F.	STRENGTH OF MATERIALS AND STRUCTURES Edward Arnold 4 th edition 1999	FG.90
*COATES, R.C., COUTIE, M.G. & KONG, F.K.	STRUCTURAL ANALYSIS Van Nostrand Reinhold 3 rd edition 1988	FJ.452
*CRANDALL, S.H., DAHL, N.C. & LARDNER, T.J.	INTRODUCTION TO THE MECHANICS OF SOLIDS, with SI Units <u>McGraw-Hill</u> 1972	FG.30
*KONG, F.K. & EVANS, R.H.	REINFORCED AND PRE-STRESSED CONCRETE Van Nostrand Reinhold 3 rd edition 1987	FM.413
*CALLADINE, C.R.	PLASTICITY FOR ENGINEERS Ellis Horwood 1985 (2000 reprint)	FA.127

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library Shelfmark

PAPER 3		
MATERIALS [Dr G McSha	ane, Dr MPF Sutcliffe, Prof J Woodhouse] Michaelmas	
*ASHBY, M., SHERCLIFF, H. & CEBON, D.	MATERIALS: ENGINEERING, SCIENCE, PROCESSING AND DESIGN <u>Butterworth-Heinemann</u> 2 nd edition 2010 <u>Butterworth-Heinemann</u> 1st ed 2007	JA.209 (1st ed at JA.199)
	2nd edition available as an ebook at; https://www.dawsonera.com/guard/protected/dawson.jsp?name= https://shib.raven.cam.ac.uk/shibboleth&dest=http://www.dawso nera.com/depp/reader/protected/external/AbstractView/S978008 0961552	
	1st edition available as an ebook at: http://www.myilibrary.com/?id=96251	
*ASHBY, M.F. & JONES, D.R.H.	ENGINEERING MATERIALS 1 <u>Butterworth Heinemann</u> 4th edition 2012 <u>Butterworth Heinemann</u> 3rd edition 2005 2nd edition available as an ebook at: <u>http://www.myilibrary.com?id=75450</u>	JA.210 (3rd edition at JA.184)
ASHBY, M.F. & JONES, D.R.H.	ENGINEERING MATERIALS 2 <u>Butterworth-Heinemann</u> 3 rd edition 2006 Available as an ebook at: <u>http://www.myilibrary.com?id=75451</u>	JA.191
CALLISTER, W.D. & RETHWISCH, D.G.	MATERIALS SCIENCE & ENGINEERING <u>Wiley</u> 8th edition 2011 <u>Wiley</u> 7th edition 2007	JA.212 (7th ed JA.203)
	Note: any edition from 5th edition (2000) onwards is acceptable	
EDWARDS, S.L. & ENDEAN, M.	MANUFACTURING WITH MATERIALS Butterworths (Open University) 1990	JA.146
GIBSON, L.J. & ASHBY, M.F.	CELLULAR SOLIDS: STRUCTURES AND PROPERTIES Cambridge University Press 2 nd edition 1991	JA.161
KALPAKJIAN, S. & SCHMID, S.R.	MANUFACTURING ENGINEERING AND TECHNOLOGY Pearson Prentice Hall 5 th edition SI units 2006	BN.241
NEWEY, C. & WEAVER, G.	MATERIALS PRINCIPLES AND PRACTICE Butterworths (Open University) 1990	JA.150
*SCHAFFER, J.P., et al.	THE SCIENCE AND DESIGN OF ENGINEERING MATERIALS McGraw-Hill 2 nd edition 1999	JA.170

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library Shelfmark

*WEIDMANN, G.,	STRUCTURAL MATERIALS	JA.133
LEWIS, N. & REID, N.	Butterworths (Open University) 1990	
	<u>Ballorworkho</u> (opon eniversity) rece	

PAPER 4

THERMOFLUID MECHA	NICS [Dr MP Juniper, Dr A Boies & Dr R Miller] Michaelmas and Lent	
*CENGEL, Y. & BOLES, M.	THERMODYNAMICS: AN ENGINEERING APPROACH McGraw-Hill 6 th edition 2007	VA.196
*HOLMAN, J.	HEAT TRANSFER <u>McGraw-Hill</u> 10th edition 2010 <u>McGraw-Hill</u> 9th edition 2002 (<i>This is the recommended book for heat transfer in Part I. A less satisfactory coverage is available in Rogers & Mayhew.</i>)	VC.188 (9th ed. at VC.182)
*HOMSY, G.M. <i>(ed).</i>	MULTIMEDIA FLUID MECHANICS (CD-ROM) <u>Cambridge University Press</u> 2 nd edition, 2008 also multilingual edition 2004 and 1st edition 2000 (A collection of film clips, interspersed with theory on CD-ROM)	TA.547 <i>CD-ROM</i> (2004 ed TA.473, 1st ed TA.453)
*MASSEY, B.S., (Revised by WARD- SMITH, J.)	MECHANICS OF FLUIDS <u>Taylor & Francis</u> 8 th edition 2005 (A good introductory text) Available as an ebook (author as Ward-Smith) at: <u>http://www.myilibrary.com?id=25661</u>	TA.483
*MORAN, M.J. & SHAPIRO, H.N.	FUNDAMENTALS OF ENGINEERING THERMODYNAMICS Wiley 5 th edition (SI Units) 2006 Available as an ebook at: http://ezproxy.lib.cam.ac.uk:2048/login?url=http://lib.myilibrary.com/Op en.aspx?id=51905&src=3	VA.192
*ROGERS, G.F.C. & MAYHEW, Y.R.	ENGINEERING THERMODYNAMICS: WORK AND HEAT TRANSFER Longman 4 th edition 1992	VA.178
*SABERSKY, R.H., ACOSTA, A.J. & HAUPTMANN, E.G.	FLUID FLOW <u>Prentice Hall</u> 4 th edition 1999 (Goes beyond Part I course, but useful for reference and an excellent all round text for those going on to Fluid Mechanics in Part II	TA.438

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

*SONNTAG, R.E., BORGNAKKE, C., & VAN WYLEN, G.J.	FUNDAMENTALS OF THERMODYNAMICS Wiley 6 th edition 2003	VA.186
*TRITTON, D.J.	PHYSICAL FLUID DYNAMICS <u>Clarendon</u> 1988 (An interesting book, but goes into more detail than required for the Part I course.)	TA.363

PAPER 5

LINEAR CIRCUITS AND D	EVICES [Dr T Coombs] Michaelmas	
*AHMED, H. & SPREADBURY, P.J.	ANALOGUE AND DIGITAL ELECTRONICS FOR ENGINEERS Cambridge University Press 1984	NT.396
*SMITH, R.J. & DORF, R.C.	CIRCUITS, DEVICES AND SYSTEMS <u>Wiley</u> 5 th edition 1992	NN.405

ELECTRICAL POWER [Dr	T Coombs, Dr P Palmer] Lent	
*BRADLEY, D.	BASIC ELECTRICAL POWER AND MACHINES Chapman & Hall 1994	NE.129

ELECTROMAGNETIC FIEL	DS AND WAVES [Prof AC Ferrari] Lent	
*OLVER, A.D.	MICROWAVE & OPTICAL TRANSMISSION Wiley 1992	NV.135

PAPER 6

LINEAR SYSTEMS AND C	ONTROL [Dr G Vinnicombe] Michaelmas	
*DISTEFANO, J.J., STUBBERUD, A.R. & WILLIAMS, I.J.	FEEDBACK AND CONTROL SYSTEMS McGraw-Hill 2 nd edition 1990	QC.217
*FRANKLIN, G.F., POWELL; J.D. & EMAMI-NAEINI, A.	FEEDBACK CONTROL OF DYNAMIC SYSTEMS Pearson Prentice Hall 5 th edition 2006	QC.261
*OPPENHEIM, A.V., WILLSKY, A.S. & NAWAB, S.H.	SIGNALS AND SYSTEMS <u>Prentice Hall</u> 2 nd edition 1997 (very comprehensive)	NOE.66

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

*ÅSTRÖM, K.J. & MURRAY, R.M.	FEEDBACK SYSTEMS: AN INTRODUCTION FOR SCIENTISTS AND ENGINEERS <u>Princeton University Press</u> , 2008	QC.269
*DORF, R.C. & BISHOP, R.H.	MODERN CONTROL SYSTEMS Pearson Prentice Hall 10 th edition 2005	QC.262

*HAYKIN, S. & MOHER, M.	INTRODUCTION TO ANALOG AND DIGITAL COMMUNICATIONS Wiley 2 nd edition 2007	NO.311
*CARLSON, B., CRILLY, P.B. & RUTLEDGE, J.	COMMUNICATION SYSTEMS: AN INTRODUCTION TO SIGNALS AND NOISE IN ELECTRICAL COMMUNUCATION <u>McGraw-Hill</u> 4 th edition 2002	NO.310
*PROAKIS, J.G. & SALEHI, M.	DIGITAL COMMUNICATIONS McGraw-Hill 5 th edition 2008	NO.313
*LAPIDOTH, A.	FOUNDATION IN DIGITAL COMMUNICATION Cambridge University Press, 2009 This is an excellent book for digital comm. but a bit advanced. A free pdf copy is available on the author's website http://www.afidc.ethz.ch/A_Foundation_in_Digital_Communication/Ge tting_The_Book.html	on order

but written before optical communications developed strongly.

SIGNAL AND DATA ANALYSIS [Prof SJ Godsill] Lent		
*BRACEWELL, R.N.	THE FOURIER TRANSFORM AND ITS APPLICATIONS McGraw-Hill 3 rd edition 2000	EG.32
*McCELLAN, J.H.	SIGNAL PROCESSING FIRST Pearson 2003	NOE.100
*OPPENHEIM, A.V., WILLSKY, A.S. & NAWAB, S.H.	SIGNALS & SYSTEMS <u>Prentice Hall</u> 2 nd edition 1997	NOE.66
*PEEBLES, P.Z.	PROBABILITY, RANDOM VARIABLES AND RANDOM SIGNAL PRINCIPLES <u>McGraw-Hill</u> 4 th edition 2001	EP.296
*PROAKIS, J.G. & MANOLAKIS, D.G.	DIGITAL SIGNAL PROCESSING <u>Prentice Hall</u> 4 th edition 2007	NOE.99

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library Shelfmark

PAPER 7		
VECTOR CALCULUS [Dr	Tom Hynes] Michaelmas	
*JAMES, G. <i>et al.</i>	ADVANCED MODERN ENGINEERING MATHEMATICS <u>Pearson/Prentice Hall</u> 4th edition 2011 <u>Pearson/Prentice Hall</u> 3rd edition 2004 4th ed available as ebook at: <u>https://www.dawsonera.com/guard/protected/dawson.jsp?name</u> <u>=https://shib.raven.cam.ac.uk/shibboleth&dest=http://www.daw</u> <u>sonera.com/depp/reader/protected/external/AbstractView/S9780</u> <u>273719274</u>	EA. 192 (3rd edition at EA.180)
*RILEY, K.F., HOBSON, M.P. & BENCE, S.J.	MATHEMATICAL METHODS FOR PHYSICS AND ENGINEERING Cambridge University Press 3 rd edition 2006 3rd ed available as ebook at: http://linux02.lib.cam.ac.uk:2048/login?url=http://cco.cambridge.org/b ook?id=ccol0521861535_CCOL0521861535 2nd ed available as ebook at: http://linux02.lib.cam.ac.uk:2048/login?url=http://www.netLibrary.com/ urlapi.asp?action=summary&v=1&bookid=125086	EA.183

LINEAR ALGEBRA [Dr	JP Jarrett] Lent	
*GOLUB, G.H. & VAN LOAN, C.F.	MATRIX COMPUTATIONS John Hopkins University Press John Hopkins University Press 3 rd edition 1996 (earlier editions acceptable)	on order (3rd ed at ER.202)
*STRANG, G.	LINEAR ALGEBRA AND ITS APPLICATIONS <u>Thomson Books/Cole</u> 4th edition 2006 <u>Harcourt Brace Jovanich</u> 3 rd edition 1988 <i>(earlier editions acceptable)</i>	EC.85 (3rd ed at EC.62)
*RILEY, K.F., HOBSON, M.P. & BENCE, S.J.	MATHEMATICAL METHODS FOR PHYSICS AND ENGINEERING <u>Cambridge University Press</u> 3 rd edition 2006 3rd ed available as ebook at: <u>http://linux02.lib.cam.ac.uk:2048/login?url=http://cco.cambridge.org/b</u> <u>ook?id=ccol0521861535 CCOL0521861535</u> 2nd ed available as ebook at: <u>http://linux02.lib.cam.ac.uk:2048/login?url=http://www.netLibrary.com/</u> <u>urlapi.asp?action=summary&v=1&bookid=125086</u>	EA.183

PROBABILITY [Dr CE Rasmussen] Lent		
*RILEY, K.F., HOBSON, M.P. & BENCE, S.J.	MATHEMATICAL METHODS FOR PHYSICS AND ENGINEERING Cambridge University Press 3 rd edition 2006	EA.183
	(chapters 30 and 31)	
	3rd ed available as ebook at: <u>http://linux02.lib.cam.ac.uk:2048/login?url=http://cco.cambridge.org/</u> <u>book?id=ccol0521861535_CCOL0521861535</u> 2nd ed available as ebook at:	
	http://linux02.lib.cam.ac.uk:2048/login?url=http://www.netLibrary.co m/urlapi.asp?action=summary&v=1&bookid=125086	

Last updated September 2013

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library Shelfmark

PAPER 8 – SELECTED TOPICS

INTRODUCTORY BUSINESS ECONOMICS [Dr A Mina] Michaelmas		
*KITSON, M. & MICHIE, J.	THE POLITICAL ECONOMY OF COMPETITIVENESS Routledge 2000	BS.545
*SLOMAN, J., & SUTCLIFFE, M.	ECONOMICS <u>FT/Prentice Hall</u> 5 th edition 2003	BS.534
*SLOMAN, J. & SUTCLIFFE, M.	ECONOMICS FOR BUSINESS <u>FT/Prentice Hall</u> 3 rd edition 2003	BS.549

AEROTHERMAL ENGINEER	ING: Design of a Jet Engine [Dr G Pullan, Dr CA Hall] Easter	
* SARAVANAMUTTO, H.I.H, ROGERS, G.F.C., COHEN, H., & STRAZNICKY, P.V.	GAS TURBINE THEORY <u>Pearson Education</u> 6th edition 2010 <u>Longman</u> 4 th edition (Cohen and others) 1996 6th ed. available as ebook at: <u>https://www.dawsonera.com/guard/protected/dawson.jsp?name=htt</u> ps://shib.raven.cam.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protecte	VK.36 (4th ed at VK.34)
*CUMPSTY, N.A.	JET PROPULSION Cambridge University Press 2 nd edition 2003	VN.47
*HILL, P.G. & PETERSON, C.R.	MECHANICS AND THERMODYNAMICS OF PROPULSION <u>Addison-Wesley</u> 2 nd edition 1992 (An excellent introduction)	VN.41
*ROLLS ROYCE	THE JET ENGINE <u>Rolls Royce</u> 6 th edition 2005 <i>(Excellent practical background)</i>	Folio VN.48

ELECTRICAL ENGINEERING: Micro- and Nano-electronic Devices: What is inside your computer? [Prof J Robertson] Easter		
Introductory		
*CONNOR, F.R.	ELECTRONIC DEVICES: INTRODUCTORY TOPICS IN ELECTRONICS AND TELECOMMUNICATIONS Edward Arnold 1980 Chapters 1-5, p 108	NR.300
Basic		

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library
Shelfmark

		Sneirma
*ALLISON, J.	ELECTRONIC ENGINEERING SEMICONDUCTORS AND DEVICES <u>McGraw-Hill</u> 1990	NR.290
*BRAITHWAITE, N. & WEAVER, G	ELECTRONIC MATERIALS Butterworth Heinemann 2 nd edition 1998	JA.179
*KASAP, S.O.	PRINCIPLES OF ELECTRONIC MATERIALS AND DEVICES McGraw-Hill 3 rd edition 2006	JA.186
*SOLYMAR, I. & WALSH, D.	ELECTRICAL PROPERTIES OF MATERIALS Oxford University Press 7 th edition 2004 Chapters 1,2,3-8 much more than required	JA.192
<u>Advanced</u>		
*SZE, S.M.	HIGH-SPEED SEMICONDUCTOR PHYSICS Wiley 1990 Advanced text parts of Part II	NR.292
<u>Historical</u>		
*SHIVE, J.N.	THE PROPERTIES, PHYSICS AND DESIGN OF SEMICONDUCTOR DEVICES Van Nostrand Reinhold 1959	NR.65
*SHOCKLEY, W.	ELECTRONS AND HOLES IN SEMICONDUCTORS Van Nostrand Reinhold 1950	NR.23

*ASHBY, M.F.	MATERIALS SELECTION IN MECHANICAL DESIGN <u>Butterworth Heinemann</u> 4 th edition 2010 3 rd edition available as ebook at: <u>http://www.myilibrary.com?id=75447</u>	JA.208
*DET NORSKE VERITAS / RISØ NATIONAL LABORATORY (DEMARK)	GUIDELINES FOR DESIGN OF WIND TURBINES Det Norske Veritas / Risø National Laboratory (Denmark) 2 nd edition 2002	TI.49
*HANSEN, M.O.L.	AERODYNAMICS OF WIND TURBINES Earthscan 2 nd edition 2008	TI.48
*MACKAY, D.	SUSTAINABLE ENERGY WITHOUT THE HOT AIR <u>UIT Cambridge Ltd</u> 2009 Available as a free ebook online at <u>http://www.withouthotair.com/</u>	DE.164

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library Shelfmark

*MATHEW, S.	WIND ENERGY, FUNDAMENTALS, RESOURCE ANALYSIS AND ECONOMICS <u>Springer</u> 2006	DE.177
	Available as an ebook via SpringerLink: <u>http://www.springerlink.com/</u> direct at: <u>http://www.springerlink.com/content/978-3-540-30905-</u> <u>5/#section=457430&page=1</u>	

<u>CIVIL, STRUCTURAL AND</u> <u>Underground Space</u> [Prof R Mair, Dr I Brilakis] Ea	ENVIRONMENTAL ENGINEERING: Design Construction of an ster	
(1) *BOLTON, M.	GUIDE TO SOIL MECHANICS <u>Macmillan</u> 1979 Now out of print but available from M.D. and K. Bolton c/o CUED	GA.214
(2) *POWRIE, W.	SOIL MECHANICS - CONCEPTS AND APPLICATIONS <u>Spon</u> 2 nd edition 2004 Available as an ebook at: <u>http://www.myilibrary.com?id=25678</u>	GA.328
(3) *KONG, F.K. & EVANS, R.H.	REINFORCED AND PRE-STRESSED CONCRETE Van Nostrand Reinhold 3 rd edition 1987	FM.413

MANUFACTURING & M Easter	IANAGEMENT: Taking Technology to Market [Dr THW Minshall]	
*CAGAN, J & VOGEL, C.M.	CREATING BREAKTHROUGH PRODUCTS: INNOVATION FROM PRODUCT PLANNING TO PROGRAM APPROVAL Financial Times/Prentice-Hall 2002	BN.216
*MOORE, G.A.	CROSSING THE CHASM: MARKETING AND SELLING TECHNOLOGY PRODUCTS TO MAINSTREAM CUSTOMERS <u>Capstone</u> 2 nd edition 1998	BO.359
*LANG, J.	THE HIGH-TECH ENTREPRENEUR'S HANDBOOK: HOW TO START AND RUN A HIGH-TECH COMPANY <u>Pearson Educational</u> 2002	BA.284
*ULRICH K.T. & EPPINGER S.D.	PRODUCT DESIGN AND DEVELOPMENT McGraw-Hill/Irwin 4 th edition 2008	BN.252
*GOFFIN, K. & MITCHELL, R.	INNOVATION MANAGEMENT: STRATEGY AND IMPLEMENTATION USING THE PENTATHALON FRAMEWORK. Palgrave Macmillan 2nd edition 2010	BA.326
*RIES, E.	LEAN STARTUP: HOW CONSTANT INNOVATION CREATES RADICALLY SUCCESSFUL BUSINESSES. Portfolio Penguin 2011	on order

PART IB BOOKLIST 2013/14

The Library Shelfmark indicates where these works can be found in the Library. An additional copy of books marked with a star (*) will be available in a *Special Part I Reference Collection* kept in the Library; the attention of Directors of Studies (for College Librarians) will be drawn to these titles. (In the case of this list most, if not all, items may be designated as "starred" items.) N.B. Latest editions do not necessarily apply – Lecturers are asked to indicate when older editions remain acceptable.

CUED Library	
Shelfmark	

INFORMATION ENGINEERING: Photo Editing and Image Searching [Dr J Lasenby, Dr G Vinnicombe] Easter		
*GONZALEZ, R.C. & WOODS, R.E.	DIGITAL IMAGE PROCESSING <u>Prentice Hall</u> 2 nd edition 2002	NO.306
*JAIN, A.K.	FUNDAMENTALS OF DIGITAL IMAGE PROCESSING Prentice Hall 1989	NO.218
*PETROU, M. & BOSDOGIANNI, P.	IMAGE PROCESSING: THE FUNDAMENTALS Wiley 1999	NO.298

Bioengineering [Dr M Oyen, Dr M Lengyel, Dr G Treece & Dr H Sprekeler] Easter		
*L.V.WANG & H-I.WU	BIOMEDICAL OPTICS: PRINCIPLES AND IMAGING Wiley 1 st edition 2007	DB.158

COURSEWORK PAPER

SUSTAINABLE ENGINEERING	[Dr C.Y. Barlow et al.]	
No list provided.		