

## **B(Hons) in Automotive Engineering 2017 Reading List**

Author	Title	Year/Edition	Publisher	Book No. & DDC No.
Stone, R. & Ball, J. K.	Automotive Engineering Fundamentals	2004	SAE International	B 12 654 629.23 STO
Meriam J. L.	Engineering Mechanics: Statics, Vol. 1	1993/3 <sup>rd</sup> ed.	John Wiley & Sons	96-5423 620.1 MER
Meriam J. L. & Kraige, J. L.	Engineering Mechanics: Dynamics	1998/4 <sup>th</sup> ed.	John Wiley & Sons	B 04065 620.1 MER
Kalpajian, Serope	Manufacturing engineering & technology	1992/2 <sup>nd</sup> ed.	Addison-Wesley	T 0601 670.42 KAL
Jammes, G. [et al.]	Modern engineering mathematics	2015/5 <sup>th</sup> ed.	Pearson	B 12 460 510.2462 MOD
Stroud, K. A. & Booth, D. J.	Engineering mathematics	2013/7 <sup>th</sup> ed.	Palgrave Macmillan	B 12 208 510.2462 STR
Cross, Nigel	Engineering Design Methods: strategies for product design	2008/4 <sup>th</sup> ed.	John Wiley & Sons	B 10 134 620 CRO
Budynas, R. G. & Nisbett, K.	Shigley's mechanical engineering design	2011/9 <sup>th</sup> ed.	McGraw-Hill	B 10 131 621.8 BUD
Luzadder, W. J. & Duff, J. M.	Fundamentals of engineering drawing	1989/10 <sup>th</sup> ed.	Prentice-Hall	B 04806-1 604.24 LUZ
Ogers, G. & Mayhew, Y.	Engineering thermodynamics: work and heat transfer	1992/4 <sup>th</sup> ed.	Prentice-Hall	B 10 125 621.4 ROG
Cengel, Y. A. & Boles, M. A.	Thermodynamics: An Engineering Approach	2011/7 <sup>th</sup> ed.	McGraw-Hill	B 10 127 621.4021 CEN
White, F. M.	Fluid Mechanics	2011/7 <sup>th</sup> ed.	McGraw-Hill	B 10 132 620.1 WHI
Bogart, T. F., Beasley, J. S. & Rico, G.	Electronic Devices and Circuits	2001/5 <sup>th</sup> ed.	Prentice-Hall	B 04112 621.3815 BOG
Floyd, T. L.	Electronic Devices: conventional current version	2014/9 <sup>th</sup> ed.	Pearson	B 12 258 621.381 FLO
Tokheim, R.	Digital electronics	2014/8 <sup>th</sup> ed.	McGraw-Hill	B 12 223 621.381 TOK
Sedra, A. S. & Smith, K. C.	Microelectronic Circuits	2016/7 <sup>th</sup> ed.	Oxford University Press	B 12 511 621.38 SED
Tocci, R., Widmer, N. & Moss, G.	Digital Systems: Principles and Applications	2007/10 <sup>th</sup> ed.	Prentice-Hall	B 08319 621.395 TOC
Hiley, J., Brown, K. & Smith, I. M.	Hughes Electrical and Electronic Technology	2012/11 <sup>th</sup> ed.	Pearson	B 12 256 621.3 HUG
Gilmore, C.	Microprocessors: principles and applications	1995/2 <sup>nd</sup> ed.	Glencoe	B 04077 004.16 GIL
Stallings, W.	Data and Computer Communications	2014/10 <sup>th</sup> ed.	Pearson	B 12 633 004.6 STA

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Ebeling, C. E.	An introduction to reliability and maintainability engineering	1997	McGraw-Hill	B 04080 620.00452 EBE
Bell, D. A.	Electronic instrumentation and measurements	2011/2 <sup>nd</sup> ed.	Oxford University Press	B 12 515 621.3815 BEL
Swift K. G. & Booker J. D.	Process selection: from design to manufacture	2003/2 <sup>nd</sup> ed.	Elsevier	B 10 133 670.42 SWI
Fagan, M. J.	Finite Element Analysis	1992	Pearson	B 10 276 620.001 FAG
Slack, N., Brandon-Jones, A. & Johnston, R.	Operations Management	2013/7 <sup>th</sup> ed.	Pearson	B 12 143 658.5 SLA
Dyson, J. R.	Accounting for non-accounting students	1977/4 <sup>th</sup> ed.	Pitman	97-6295 657 DYS
Bentley, J. P.	Principles of Measurement Systems	1988/2 <sup>nd</sup> ed.	Longman	B 00433 681.2 BEN
Crouse, W. H. & Anglin, D. L.	Automotive mechanics	2007/10 <sup>th</sup> ed.	Tata McGraw-Hill	B 08916 629.28 CRO
Ryder, G. H.	Strength of Materials	3 <sup>rd</sup> ed.	Macmillan	B 04153 620.11 RYD
Hibbeler, R. C.	Mechanics of materials	2011/8 <sup>th</sup> ed.	Pearson	B 11 815 620.1 HIB
Holman, J. P.	Heat Transfer	1992/7 <sup>th</sup> ed.	McGraw-Hill	B 00499 621.4022 HOL
Seward, D.	Race Car Design	2014	Palgrave	B 12 662 629.231 SEW
Husain, I.	Electric and Hybrid Vehicles: Design Fundamentals	2011/2 <sup>nd</sup> ed.	CRC Press	B 12 649 629.2293 HUS
Crolla, D. A. (edited by)	Automotive Engineering: Powertrain, Chassis System and Vehicle Body	2009	Elsevier	B 12 647 629.23 AUT
Denton, T.	Automobile Electrical and Electronic Systems	2012/4 <sup>th</sup> ed.	Routledge	B 12 648 629.254 DEN
Pacejka, H. B.	Tire and Vehicle Dynamics	2012/3 <sup>rd</sup> ed.	Elsevier	B 12 611 629.2482 PAC
Smith, C.	Racing Chassis and Suspension Design	2004	Society of Automotive Engineers	B 12 636 629.24 RAC
Jacobs, F. R. & Chase, R. B.	Operations and supply chain management	2014/14 <sup>th</sup> ed.	McGraw-Hill	B 12 516 658.5 JAC
Martinich, J. S.	Production and Operations Management: an applied modern approach	1997	John Wiley & Sons	B 05733 658.5 MAR
Ashby, M. F.	Materials Selection in Mechanical Design	2010/3 <sup>rd</sup> ed.	Butterworth Heinemann	B 10 124 620.004 ASH

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Burke, R.	Project Management Planning and Control Techniques	2003/4 <sup>th</sup> ed.	John Wiley & Sons	B 06877 658.4 BUR
Gido, J. & Clements, J. P.	Successful project management	2015/6 <sup>th</sup> ed.	Cengage Learning	B 12 531 658.404 GID