

Bækur í tæknifræði

Áfangi		Bækur	Kennari
1.ár haust			
KIT104G	Eðlisfræði I	Young, H.D. og Freedman, R. A. (2011). University Physics (13. útgáfa). Boston: Addison Wesley.	Burkni Pálsson
KIT106G	Línuleg algebra	1. Cheney, W. and Kincaid, D. (2012). Linear Algebra: Theory and Applications (2nd edition). Jones & Bartlett Publishers. 2. Linear Algebra by Jim Hefferon.	Krista Hannesdóttir
KIT109G	Stærðfræði I	Adams, R. A. (2009). Calculus: A complete Course (7th edition). Edinburgh: Pearson Education Limited.	Krista Hannesdóttir
KIT111G	Forritun I	Kernighan, B. W. og Ritchie, D. M. (1988). The C Programming Language. New Jersey: Prentice Hall.	Þórður Halldórsson
1.ár vor			
KIT201G	Tækniteikning	Giesecke, F. E. (2012). Technical Drawing With Engineering Graphics (14th edition).	Guðmundur Borgþórsson
KIT203G	Eðlisfræði II	SEARS AND ZEMANSKY'S University Physics eftir Young og Freedman, 13. útgáfa	Burkni Pálsson
KIT206G	Stærðfræði II (Calculus II)	Adams, Robert A, Essex, Christopher, Calculus, a Complete course, 7th Ed. Pearson Canada, 2010, ISBN: 978-0-321-54928-0	Krista Hannesdóttir
KIT208G	Flétturásir	Mano, M. M. and Ciletti, M. D. (2007). Digital Design (4th edition). London: Prentice Hall.	Sverrir Guðmundsson
MEK201G	Forritun II	Sams Teach Yourself C++ in One Hour a Day (7th Edition) Siddhartha Rao	Þórður Halldórsson
ORK201G	Varma- og varmaflutningsfræði	1. Moran, M. J. og Shapiro, H. N. (2008). Fundamentals of Engineering Thermodynamics (6. útgáfa). New Jersey: John Wiley & Sons, Inc.	Guðmundur Borgþórsson

		2. Cengel, Y. A. og Turner, R. H. (2009). Fundamentals of Thermal-Fluid Sciences (3. útgáfa). New York: McGraw-Hill.	
	1.ár sumar		
KIT301G	Rásafræði I – DC rásir	Grob's Basic Electronics 11th edition. Mitchel E. Schultz	Andri Þorláksson
KIT303G	Stærðfræði III	Adams, R. A. (2009). Calculus: A complete Course (7th edition). Edinburgh: Pearson	Krista Hannesdóttir
MEK301G	Forritun III	Sedgewick, R. (1998). Algorithms in C++, Parts 1-4: Fundamentals, Data Structure, Sorting, Searching (3. útgáfa). USA: Addison-Wesley Publishing Company, Inc.	Þórður Halldórsson
MEK303G	Runurásir	Mano, M. M. og Ciletti, M. D. (2007). Digital Design (4. eða 5. útgáfa). London: Prentice Hall.	Andri Þorláksson
ORK301G	Almenn efnafræði	Brown, L. S. and Holme, T. A. (2011). Chemistry for Engineering Students (2nd edition). Belmont CA: Brooks/Cole.	Egill Þórir Einarsson
ORK3030 G	Orkunýtni	Miller, G. Tyler og Spoolman, S. E. (2010). Environmental Science (13. útgáfa). Brooks/Cole.	Joseph O Ajayi
	2.ár haust		
KIT404G	Gagnasöfnun og úrvinnsla	Bolton, W. (2011). Mechatronics: A Multidisciplinary Approach. Pearson Education.	Úrsúla Ögn Guðnadóttir
KIT406G	Rásafræði – AC rásir	Grob's Basic Electronics 11th edition.	Andri Þorláksson
KIT408G	Aflfræði I	Hibbeler, R. C. (2011). Statistics and Mechanics of Materials (3. útgáfa). Pearson.	Guðmundur Borgþórsson
MEK401G	Rafeindarásir	Aminian, A. og Kazimierczuk, M. (2003). Electronic Devices: A Design Approach. Dayton: Wright State University.	Andri Þorláksson
MEK403G	Tölvuhögun	Hamacher, C. et al. (2012). Computer Organization and Embedded Systems (6. útgáfa). London: McGraw Hill.	Þórður Halldórsson

ORK401G	Lífræn efnafræði	Hart, H., Hadad, C. M., Craine, L. E. og Hart. J. (2012). Organic Chemistry: A Short Course (13. útgáfa). Belmont CA: Brooks/Cole. Einnig fáanleg á netinu: http://www.cengagebrain.co.uk/shop/isbn/1111426244	Daniel Coaten
KIT410G	Hagnýt tölfraði	1. Montgomery, D. C. og Runger, G. C. (2010). Applied Statistics and Probability for Engineers. New Jersey: Wiley.	Krista Hannesdóttir
2.ár vor			
KIT501G	Hreyfibúnaður	Bolton, W. (2011). Mechatronics: A Multidisciplinary Approach. Pearson Education.	Úrsúla Ögn Guðnadóttir
KIT503G	Stýri- og stjórnkerfi	Bolton, W. (2009). Mechatronics: A Multidisciplinary Approach (4. Útgáfa). Edinburgh: Pearson Education Limited.	Úrsúla Ögn Guðnadóttir
KIT505G	Aflfræði II – þolfræði	1. Hibbeler, R. C. (2011). Statistics and Mechanics of Materials (3. Útgáfa). Pearson.	Guðmundur Borgþórsson
MEK501G	Varma- og varmaflutningur	1. Moran, M. J. Og Shapiro, H. N. (2008). Fundamentals of Engineering Thermodynamics (6. Útgáfa). New Jersey: John Wiley & Sons Inc. 2. Cengel, Y. A. Og Turner, R. H. (2009). Fundamentals of Thermal-Fluid Sciences (3. Útgáfa). New York: McGraw-Hill.	Guðmundur Bergþórsson
MEK503G	Stýrikerfi	Stallings, W. (2008). Operating Systems: Internals and Design Principles.	Þórður Halldórsson
ORK503G	Hagnýt efnafræði	Gesser, H. D. (2002). Applied Chemistry: A textbook for Engineers and Technologists. New York: Kluwer	Egill Þórir Einarsson
ORK501G	Varanleg orkukerfi	1. Montgomery, D. C. og Runger, G. C. (2010). Applied Statistics and Probability for Engineers. New Jersey: Wiley.	Joseph O Ayayi
KIT510G	Afleiðujöfnur	Kreyszig, E. (2011). Advanced Engineering Mathematics (10. Útgáfa). New Jersey: Wiley.	Krista Hannesdóttir
2.ár sumar			
KIT601G	PLC/PAC	Kennari gefur upp námsefni	Úrsúla Ögn Guðnadóttir

KIT603G	Véhlutafræði	Shigley's Mechanical Engineering Design 9.útgáfa.	Guðmundur Borgþórsson
MEK601G	Ígreypt kerfi	Designing Embedded Systems with PIC Microcontrollers, Second Edition: Principles and Applications	Andri Þorláksson
KIT605G	Rafefnafræði	1. Brown, L. S. og Holme, T. A. (2011). Chemistry for engineering students (2. útgáfa). Belmont CA: Brooks/Cole. 2. Gesser, H. D. (2002). Applied Chemistry: A textbook for Engineers and Technologists. New York: Kluwer Academic/Plenum Publishers.	Egill Þórir Einarsson
3.ár haust			
MEK701G	Mekatrónísk kerfi	Kennari gefur upp námsefni.	Andri Þorláksson
ORK701	Forðafræði og nýting jarðvarma		Sæunn Halldórsd.
ORK703G	Orkuhagfræði		Auður Nanna Baldvinsd.
3.ár vor			
MEK801G	Mekatrónísk kerfi II	Kennari gefur upp námsefni.	Andri Þorláksson
KIT804G	Tölvustudd hönnun		Guðmundur Borgþórsson
ORK801G	Orka og sjálfbærni		