

قائمة بأسماء الكتب المنهجية و المساعدة / قسم الهندسة المدنية / كلية الهندسة

الفصل الاول / العام الجامعي 2021 – 2022

No.	Course No.	Course Title	Books	Qty
1.	0670202	Eng. Statistics	<ul style="list-style-type: none"> Applied Statistics and Probability, 3 rd edition, Douglas C. Montgomery, George C. Runger. Statistics and Probability for Engineers and Sciences , 6 th edition ,William M.,Terry L. 	3 3
2.	0670203	Eng. Statistics	<ul style="list-style-type: none"> Applied Statistics and Probability, 3 rd edition, Douglas C. Montgomery, George C. Runger. Statistics and Probability for Engineers and Sciences , 6 th edition ,William M.,Terry L. 	3 3
3.	0670211	Statics	<ul style="list-style-type: none"> Engineering Mechanics – Statics, SI Edition, 13th edition, Vol. 1, R. C. Hibbeler and Kai Beng Yap, PEARSON, 2013 Engineering Mechanics – Statics, 7th edition, Vol. 1, J. L. Meriam and L.G. Kraige, John Wiley and Sons, 2012 Engineering Mechanics – Statics, 3rd edition, A. Pytel and J. Kiusalaas, Cengage Learning, 2010. 	3 3 3
4.	0670214	Construction Materials	<ul style="list-style-type: none"> A.M .Neville and J.J .Brooks;:"Concrete Technology" .1986 D. Taylor" Construction of material, 1989, second edition. Building Materials, 5. K. Duggal, third edition. 	3 3 3
5.	0670231	Eng.Geology	<ul style="list-style-type: none"> Engineering Geology ,Principles and Practice, by David George Engineering Geology G Bell second edition. 	2 2
6.	0670261	Surveying	<ul style="list-style-type: none"> Elementary Surveying, An Introduction to Geomatics, Gilani and Wolf, Pearson/Prentice Hall, 10 th Addition Elementary Surveying Gilani and Wolf, Pearson/Prentice Hall, 13 th Addition 	5 3
7.	0670265.	Surveying For Arch 0670265	<ul style="list-style-type: none"> Elementary Surveying, An Introduction to Geomatics, Gilani and Wolf, Pearson/Prentice Hall, 10 th Addition Elementary Surveying Gilani and Wolf, Pearson/Prentice Hall, 13 th Addition 	3 3
8.	0670312	Structural Mechanics and Analysis(I)	<ul style="list-style-type: none"> Structural Analysis- 8th edition, by R.C Hibbeler, Pearson Prentice Hall; 2012 Fundamentals of Structural analysis-2nd edition, by K.M. Leet, McGraw Hill, 2005 	3 3
9.	0670315	Structural Mechanics and Analysis(II)	<ul style="list-style-type: none"> R. C. Hibbeler, "Statics & Mechanics of Materials © 2007 Pearson Education South Asia Pte Ltd. Last updated on 27 October 2006. ISBN 13: 978-013-129-011-2 and ISBN 10 : 013-129-011-8 Engineering Mechanics – Statics, 7th edition, Vol. 1, J. L. Meriam and L.G. Kraige, John Wiley and Sons, 2012 Engineering Mechanics – Statics, 3rd edition, A. Pytel and J. Kiusalaas, Cengage Learning, 2010. 	3 3 3
10.	0670323	Pavement Design	<ul style="list-style-type: none"> Traffic and Highway Engineering by Nicholas J. Garber, Laster A. Hoel, 4 ed. Wright, Paul H., Highway Engineering, Seventh Edition, John Wiley, New York, 2004. Principles of pavement design by Yoder Witzczak, 2nd ed., 1975 Pavement design ,by Huang, 2nd ed., 2012 	3 2 2
11.	0670324	Highway Geometric Design	<ul style="list-style-type: none"> Traffic and Highway Engineering by Nicholas J. Garber, Laster A. Hoel, 4 ed. The Civil Engineering Hand Book, second edition. W. F. CHEN, J.y. Richard Liew 	3 2

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No.	Course No.	Course Title	Books	Qty
12.	0670331	Soil Mechanics	<ul style="list-style-type: none"> • Soil Mechanics, SI Version, T.W. Lambe and R.V. Whitman, 2008, John Wiley & Sons, New York • Craig's Soil Mechanics, 8th ed., J.A. Knappet & R.F. Craig • Engineering Properties of Soils and their Measurements, J.E. Bowles 	4 4 2
13.	0670343	Environmental Engineering	<ul style="list-style-type: none"> • "Introduction to Environmental Engineering, Mackenzie Davis and David Cornwell, McGraw Hill, Fifth Edition, 2013. • Water Supply and Pollution Control, 7th Edition, Warren Viessman & Mark J. Hammer, Pearson Prentice Hall. • Waste Management Practice, 2ed edition., John Pichtel, CRC Press • Hazardous Waste Management, International Edition 1994, La Grega, P. Buckingham and J. Evans. Mc Graw Hill 	3 3 3 3
14.	0670381	Fluid Mechanics	<ul style="list-style-type: none"> • Fluid Mechanics; Russell C. Hibbeler, Pearson, 2014 • Fundamentals of Hydraulic Engineering Systems (4th Edition) Robert J. Houghtalen, Robert J. Houghtalen, A. Osman H. Akan & Ned H. C. Hwang, Pearson, 2010, 4th Edition • Engineering fluid mechanics, Roberson J.A., and Crowe C.T, John Wiley and sons. (9th Edition). 	3 3 3
15.	0670411	Reinforced Concrete 1	<ul style="list-style-type: none"> • Nilson, A.H., Darwin, D., and Dolan, C.W. (2013). "Design of Concrete Structures", 14th edition , McGraw Hill, 2009 • ACI Code (ACI 318 M -11). • Design of Reinforced Concrete by J. C. McCormac and R.H. Brown, 8th Edition, John Wiley & Sons. 	3 3 3
16.	0670413	Steel Structures	<ul style="list-style-type: none"> • W.T., Segui, "Steel Design", Cengage Learning, 5th edition, 2012. • AISC Steel Construction Manual, 14th edition, 2011. • J.C. McCormac, S.F. Csernak, "Structural Steel Design", Pearson, 5th edition, 2011. • C.G., Salmon, J.E. Johnson, F.A., Malhas, "Steel Structures Design and Behavior", Prentice Hall, 5th edition, 2009. • American Institute of Steel Construction. "Detailing for Steel Construction". AISC/NSD, 3 rd edition, 2009. • American Society of Civil Engineers. 2010. "Minimum Design Loads for Buildings and Other Structures". ASCE/SEI 7-10. Reston, VA. 	3 3 3 3 3
17.	0670414	Steel Design	<ul style="list-style-type: none"> • W.T., Segui, "Steel Design", Cengage Learning, 5th edition, 2012. • AISC Steel Construction Manual, 14th edition, 2011. • J.C. McCormac, S.F. Csernak, "Structural Steel Design", Pearson, 5th edition, 2011. • C.G., Salmon, J.E. Johnson, F.A., Malhas, "Steel Structures Design and Behavior", Prentice Hall, 5th edition, 2009. • American Institute of Steel Construction. "Detailing for Steel Construction". AISC/NSD, 3 rd edition, 2009. • American Society of Civil Engineers. 2010. "Minimum Design Loads for Buildings and Other Structures". ASCE/SEI 7-10. Reston, VA. 	3 3 3 3 3
18.	0670416	Steel and Concrete Structures (0670416)	<ul style="list-style-type: none"> • Nilson, A.H., Darwin, D., and Dolan, C.W. (2013). "Design of Concrete Structures", 14th edition , McGraw Hill, 2009 • ACI Code (ACI 318 M -11). • Design of Reinforced Concrete by J. C. McCormac and R.H. Brown, 8th Edition, John Wiley & Sons. 	3 3 3
19.	0670421	Transportation & Traffic Eng.	<ul style="list-style-type: none"> • "Traffic and Highway Engineering", Fourth Edition, Nicholas J. Garber, Laster A. Hoel, 2009. 	3 3

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No.	Course No.	Course Title	Books	Qty
			<ul style="list-style-type: none"> Highway Capacity Manual 2000, HCM, Transportation Research Board, National Research Council. 	
20.	0670422	Transportation & Traffic Eng.	<ul style="list-style-type: none"> "Traffic and Highway Engineering", Forth Edition, Nicholas J. Garber, Laster A. Hoel, 2009. Highway Capacity Manual 2000, HCM, Transportation Research Board, National Research Council. 	6 3
21.	0670441	Hydraulics	<ul style="list-style-type: none"> Fundamentals of Hydraulic Engineering Systems, Hwang & Houghtalen. , 4th Edit ion, Prentice Hall, 2006. Civil Engineering Hydraulics, by R. E. Featherstone & C. Nalluri, 3rd Edition, 1995. Fluid Mechanics, Douglas, Swaffield and Gasiorek. 4th Edition, 2001. Water Distribution Modeling, Walsky, Chase and Slavic. 1st Edition, 2001 Roberson, J.A., Cassidy J.J., Chaudhry, M.H., Hydraulic Engineering, 2nd edition, John Wiley & sons, inc.,1997. 	3 3 3 3 3
22.	0670443	Sanitary Engineering	<ul style="list-style-type: none"> "Water and Wastewater Technology, 6th Edition, Mark J. Hammer & Mark J. Hammer Jr., Prentice Hall, 2007. Water Supply and Pollution Control, 7th Edition, Warren Viessman & Mark J. Hammer, Pearson Prentice Hall. Wastewater Engineering, Treatment and reuse, Metcalf and Eddy, McGraw-Hill Education, 2003 	3 3 3
23.	0670472	Engineering Economy	<ul style="list-style-type: none"> Engineering Economy, by Leland T. Blank and Anthony J. Tarquin, WCB/McGraw-Hill, 6th Edition, 2005 Construction Accounting and Financial Management, by Steven J. Peterson, Second Edition. 	3 2
24.	0670517	Prestressed Concrete Design	<ul style="list-style-type: none"> PCI design handbook of "Precast and Prestressed Concrete" (7th Edition), 2010. Nawy, Edward "Prestressed Concrete: A Fundamental Approach" (5th Edition), Prentice Hall, 2009. Naaman, A.E. "Prestressed Concrete Analysis and Design: Fundamentals" (2ndEdition), Techno Press 3000, 2004. Nilson, A.H. "Design of Prestressed Concrete" (2nd Edition), Wiley, 1987. 	3 3 3 3
25.	0670522	AP &RW Eng.	<ul style="list-style-type: none"> planning and Design of Airports , Fifth edition , Robert Horonjeff, Francis X.Mckeley.William J. Sproule Seth B. Young, 2010 planning and Design of Airports , Fifth edition , Robert Horonjeff, Francis X.Mckeley.William J. Sproule Seth B. Young, 2010 	3 3
26.	0670531	Foundation Engineering	<ul style="list-style-type: none"> Bowles J.E., "Foundation Analysis and Design", McGraw-Hill Tomlinson M.J., "Foundation Design and Construction", A pitman International Text Teng W.C., "Foundation Design", Prentice – Hall Das B.M., "Principles of Foundation Engineering", Cengage Learning 	6 2 2 2
27.	0670541	Hydrology	<ul style="list-style-type: none"> Viessman, W., and Lewis, G., Introduction to Hydrology, 5th edition, Prentice Hall. (ISBN 0- 67-399337-x). Engineering Hydrology, Wilson, E. M. Macmillan, London. 1983 Hydrology for Engineers. Linsley, R., Kohler, M., Paulhus, JMcGraw Hill. Hydrology .An Introduction, WILFRIED BRUTSAERT, Cambridge University press. 8th edition, 2013 	3 3 3 3

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No.	Course No.	Course Title	Books	Qty
			<ul style="list-style-type: none"> Water Authority (WAJ): Studies and reports related to Jordan's hydrology. 	3
28.	0670553	Special Topics in Civil Engineering	<ul style="list-style-type: none"> R. C. Hibbler (). "Mechanics of Materials", 9th edition. 	3
			<ul style="list-style-type: none"> Nilson, A.H., Darwin, D., and Dolan, C.W. "Design of Concrete Structures", 14th edition. 	3
			<ul style="list-style-type: none"> ACI Code (ACI 318 M -11). 	3
			<ul style="list-style-type: none"> Design of Reinforced Concrete by J. C. McCormac and R.H. Brown, 8th Edition, John Wiley & Sons. 	3
29.	0670571	Projects Management	<ul style="list-style-type: none"> Project management for engineering and construction., New York: McGraw -Hill Higher Education 	3
			<ul style="list-style-type: none"> A Guide to the Project Management Body of Knowledge (PMBOK Guide) 	3
			<ul style="list-style-type: none"> Modern Construction Management / Frank Harris and Ronald McCaffer, 6th edition, 2006 	2
			<ul style="list-style-type: none"> Oberlender, G. D., & Oberlender, G. D. (2013, 3rd edition). Project management for engineering and construction., New York: McGraw -Hill Higher Education 	2
			<ul style="list-style-type: none"> PMBOK Guide (Project Management Body of Knowledge) USA-Project Management Institute 5th,ed 	2
30.	0670572	Specifications, Contracts, &Quantity Surveying	<ul style="list-style-type: none"> Merritt, F. S., & Ricketts, J. T. (2001). Building design and construction handbook (Vol. 13). New York, NY, USA: McGraw-Hill. 	3
			<ul style="list-style-type: none"> McMULLAN, J. (2019). Construction Contract Administration Principles: 	3
			<ul style="list-style-type: none"> Guide To Construction Contract Professionals. 	3
			<ul style="list-style-type: none"> The Jordanian Ministry of Public Works and Housing.(2013). Jordanian Contract book. http://www.jcca.org.jo/DataFiles/2017/Files/contractor2010-1013.doc 	2
			<ul style="list-style-type: none"> The Jordanian Ministry of Public Works and Housing. Civil Engineering Specifications for Jordanian Construction Projects Book. 	2