

**BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE)  
LIST OF PROFESSIONAL BOOKS****Math 113 Mathematics for Engineers**

<b>CALL NUMBER</b>	<b>AUTHOR</b>	<b>TITLE</b>	<b>COPYRIGHT DATE</b>	<b>NO. OF COPIES</b>
CIR TA 332 .H53	Tyler G. Hicks	Handbook of Civil Engineering calculations	2007	1
FIL QA 43 .Be47	Venancio I. Besavilla	Basic mathematics for Engineering Licensure exams	2006	1
CIR QC 532 .At88	Mary Attenborough	Mathematics for Electrical engineering and computing	2003	1
CIR QA 401 On2	Peter O'nel	Advanced Engineering Mathematics	2018	1
FIL QA 401 .Du85	Virgilio N. Dulay	Advanced Engineering Mathematics	1996	2
CIR QA 401 .W9	Louis C. Barrett	Advanced Engineering Mathematics	1995	1

**Math 114 – Differential Calculus**

<b>CALL NUMBER</b>	<b>AUTHOR</b>	<b>TITLE</b>	<b>COPYRIGHT DATE</b>	<b>NO. OF COPIES</b>
CIR QA 303.2 .L367	Ron Larson,	Calculus	2014	2
FIL QA 304 Ca33	Jonathan B. Cabero	Solved Problems in Differential calculus	2008	2
FIL QA 304 Ma38	Rolando A. Mateo	Differential calculus	2002	1
CIR QA 309 .F45	Feliciano & UY	Differential and Integral calculus	1983	2



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**Math 124 – Integral Calculus**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
FIL QA 309 Si56	Renato E. Apa-Ap	Simplified Approach to Integral Calculus	2007	1
Fil QA 309 Pe47	Ma. Luisa B. Canela	Integral Calculus	2001	1
FIL QA 303 L941	Clyde E. Love	Differential and Integral Calculus	1981	4

**Phy 124- Physics for Engineering (Calculus Based)**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR QC 21.3Se89e	Raymond A. Serwey	Physics For Scientist and Engineers	2019	1
CIR QC 31 B37		<b>Basic Engineering Physics</b>	2016	2

**Draw 121 Engineering Drawings and Plans**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR NA2760 .C46	Ching, Francis D. K., 1943-	Architecture: form, space, & order	2015	1
CIR NA2708 C49	Ching, Francis D. K., 1943-	Design drawing	2011	1
CIR NC 710 .H39	Hazlewood, Robin	An introduction to drawing: an artist's guide to skills and techniques	2004	1
CIR T 353 .M1965	Madsen, David A.	Engineering drawing and design	1996	1
Cir T 353 S58	<b>Henry Cecil Spencer,</b>	<b>Basic technical drawing</b>	1980	5
CIR TS 250 .B866	Budzik, Richard S.	Precision sheet metal: blueprint reading	1969	1

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****Math 213 – Differential Equations**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR QA 371 .E39	C.Henry Edwards,	Differential Equations	2000	1
CIR QA 374 .PA37	W. Jager	Partial Differential Equations Theory and Numerical Solutions	2000	1

**Mech 223 Statics of Rigid Bodies**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
FIL TA 350 .Be47	Venancio I. Besavilla	Engineering mechanics (Statics and dynamics)	2009	1
CIR TA 351 .So68	Robert W. Soutas - Little	Engineering mechanics statics	2008	1
CIR TA 351 .B39	Anthony Bedford, Wallace Fowler	Engineering mechanics statics and dynamics	2002	3
CIR A 351 .B44	Ferdinand P. Beer	Vector mechanics for engineers statics	1998	2
CIR TA 351 P9718		Engineering mechanics statics and dynamics	1996	2

**ES 223 Environmental Science and Engineering**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TD 145 .D295p	Mackenzie L. Davis	Principles of Environmental Engineering and science	2014	1
CIR TD 145 .D295	Mackenzie L. Davis	Introduction to Environmental engineering	2013	1
CIR TD 145 .D295p	Mackenzie L. Davis	Principles of Environmental Engineering and science	2004	1
REF TD 145 .L56	Michael R. Lindeburg	Environmental engineering reference manual for the PE exams	2003	1
CIR TD 145 Da38	Mackenzie L. Davis, David A. Cornwell	Introduction to environmental engineering	1998	1

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****CE 224 Fundamentals of Surveying**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 545 .Du84	S K Duggal	Surveying, vol. 2	2013	2
CIR TA 545 .Du84	S K Duggal	Surveying, vol. 2	2009	1
REF KF 386 N38	Richard A. Leiter, editor.	National survey of state laws	2005	1
CIR TA 573 .C68	George M. Cole	Principles and practice of land surveying sample examination	2003	1
CIR TH 439 .G518	Peter Glover	Building surveys	2003	1
CIR TA545 .A53	James M. Anderson, Edward M. Mikhail	Surveying theory and practice	1998	1
REF TA 545 .V27	Jan Van Sickle	Surveying fundamentals problems	1997	1
CIR TA 545 .K383	Barry F. Kavanagh, S.J. Glenn Bird	Surveying principles and practices	1997	2
REF TA 545 .St78		Fundamentals of Field problems in surveying : vol. 1		1

**CE 222 Geology for Civil Engineers**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****EE 223 Engineering Utilities 1 (Basic Electrical Engineering)**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
REF TK 146Ei144		Electrical engineering: an introductory guide	2019	1
REF TK 145 I45		Illustrated handbook of electrical engineering	2018	1
CIR TK 146 .Gr76	Charles A. Gross	Fundamentals of Electrical Engineering	2012	1
CIR TK 159 .E144	Clive Maxfield	Electrical Engineering	2008	1
CIR TK 151 .W241	D.F Warne	Newnes Electrical Engineers handbook	2002	1
CIR TK 146 .Pr75		Principles and practice of Engineering Electrical and Computer engineering sample questions & solution	2001	1
CIR TK 146 .R59	Girgio Rizzoni	Principles and application of electrical Engineering	2000	1
REF TK 151 S856	Donald G. Fink, H. Wayne Beaty	Standard handbook for electrical engineers	2000	1

**ME 223 Engineering Utilities 1 (Basic Mechanical Engineering)**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TJ 230 .S5	Joseph E. Shigley, Charles R. Mischke, Richard G. Budynas	Mechanical engineering design	2004	1
CIR TJ 146 .Ge48	Richard Gentle, Peter Edwards, Bill Bolton	Mechanical engineering systems	2001	1

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****Mech 314 Mechanics of Deformable Bodies**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
FIL TA 350 .Be47	Venancio I. Besavilla	Engineering mechanics (Statics and dynamics)	2009	1
FIL TA 350 .Be47	Venancio I. Besavilla	Engineering mechanics (Statics and dynamics)	2009	1
CIR TA 351 .B39	Anthony Bedford, Wallace Fowler	Engineering mechanics statics and dynamics	2002	3
CIR TA 405 .B92	Byars, Edward Ford, 1925-	Engineering mechanics of deformable bodies	1975	1

**ES 313 Technopreneurship**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES

**CE 313 Construction Materials and Testing**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TH 145 .Sp32c	Eva Kultermann, William P. Spence	Construction materials, methods and techniques building for a suitable future	2017	1
CIR TA 403.4 .G47	Gesimondo, Nancy.	Materiality and interior construction	2011	1
CIR TH 146 .C52	Ching, Francis D. K., 1943-	Building construction illustrated	2008	3
CIR TH 145 .AI53	Allen, Edward, 1938-	Fundamentals of building construction: materials and methods	2004	2

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****CE 333 Highway and Railroad Engineering**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TE 145 G163	Nicholas J.mGarber	Traffic and Highway Engineering	2020	1
CIR TF 145 .Bo66	Cilfford F. Bonnett	Practical railway Engineering	2005	1

**CE 332 Hydrology**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR GB 661 Su83	K. Subramanya	Engineering hydrology	2009	1
CIR TD 657 .G871	John E. Gribbin	Introduction to hydraulics and hydrology with application for storm water management	2007	1
CIR TC 176 .To63	David K. Todd	Groundwater hydrology	2005	1
CIR GB 661.2 .L56	Ray K. Linsley, Max A. Kohler, Joseph L.H. Paulhus	Hydrology for engineers	1988	2
CIR GB 661.2 .L56	Ray K. Linsley	Hydrology for engineers	1982	1

**CE 312 CE Laws, Ethics and Contracts**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 180 .Ma37	Mike W. Martin, Roland Schinzinger	Ethics in Engineering	2006	1
CIR TA 157 .F525	Charles B. Fleddermann	Engineering ethics	2003	1
FIL TA 180 .M523	Quintin C. Mendoza	Engineering contracts, specification and ethics	2000	3
CIR TA 157 .H37	Charles e. Harris, Michel S. Pritchard, Michael J. Rabin	Engineering ethics concept and cases	1995	1

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****CE 323 Numerical Solutions to CE Problems**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR QA 374 .PA37	W. Jager	Partial differential equations theory and numerical solutions	2000	1

**CE 322 Engineering Management and Safety**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR T 55 .D485	B.S. Dhillon	Safety human error in Engineering systems	2012	1
CIR HD 69.P75 .Ni53	John M. Nicholas	Project management for business and engineering	2008	1
CIR TH 5604 .Ma33	David V. Maccollum	Construction safety engineering principles	2007	2
CIR HD 69.P75 .Ni53	John M. Nicholas	Project management for business and engineering	2004	1
FIL HD 31 .M43	Roberto G. Medina	Engineering management	1999	3

**CE 325 Structural Theory**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 683.2 .H365	M. Nadim Hassoun , Akthem Al-Manaseer	Structural concrete theory and design	2008	1
FIL TA 684 .Gi55	Diego Inocencio T Gillesania	Fundamentals of structural steel design with theory of structures	2006	2



**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****CE Shop Building Systems Design**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TH 437 .D48	Randy Deutsch, AIA, LEED AP.	Data-driven design and construction : 25 strategies for capturing, analyzing and applying building data	2015	1
CIR TA 684 N434	Alexander Newman.	Foundation and anchor design guide for metal building systems	2013	1
CIR NA 2850 M56	Maureen Mitton	Residential interior design : a guide to planning spaces	2011	1
CIR TH 880 T83	Lisa M. Tucker.	Sustainable building system and construction for designers	2010	1
CIR NA 2850 .C45	Ching, Francis D. K., 1943-	Interior design illustrated	2005	2
CIR NA 2542.36 .P578	Adrian Pitts	Planning and design strategies for sustainability and profit : pragmatic sustainable design on building and urban scales	2003	1
REF Th 151 B825	Frederick S. Merritt, Jonathan T. Ricketts	Building Design and Construction Handbook	2001	1
CIR TH 425 E65	Stephen Emmitt and David T. Yeomans.	Specifying buildings : a design management perspective	2001	2

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****CE 345 Hydraulics**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 357 .Su16	K Subramanya	Hydraulic machines	2013	1
CIR TC 160.Cr78	James F. Cruise, Mohsen M. Sherif, Vijay P. Singh	Introduction to hydraulics	2012	1
CIR TC 175 .St97	Terry W. Sturm	Open channel hydraulics	2010	1
CIR TD 657 .G871	John E. Gribbin	Introduction to hydraulics and hydrology with application for storm water management	2007	1
CIR TJ 840 .P27	Andrew Parr	Hydraulics and pneumatics a technicians and engineers guide	2004	1
FIL TC 160 .Gi55	Diego Inocencio T. Gillesania	Fluid mechanics and hydraulics	2003	1
CIR TC 145 .R59	John A. Robertson, John J. Cassidy, M. Hanif Chaudhry	Hydraulic engineering	1997	3

**CE 343 Principles of Transportation Engineering**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
TA 1145 .B33	James H. Banks	Introduction to transportation engineering	1998	2
TA 1145 .Be47	Venancio I. Besavilla	Basic fundamentals of transportation engineering	1998	3

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****CE 413 Principles of Steel Design**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 684 Se39	William T. Segui	Steel Design	2018	1
CIR TA 684 .Br76	Roger L. Bro	Structural steel designers handbook	2011	1
CIR TA 685.G67	Davidson, Buick	Steel designers manual	2011	1
FIL TA 648 .Be47	Venancio I. Besavilla	Simplified steel design (ASD) method with applications of the 2001 NSCP specification	2007	1
FIL TA 684 .Gi55	Diego Inocencio T Gillesania	Fundamentals of structural steel design with theory of structures	2006	2
CIR TA 684 S24	Charles G. Salmon	Steel Structures Design and Behavior	1995	1
REF TA 684 .B47	Jose A. Bernales	Manual of steel design and construction	1993	19
CIR TA 684 .P33	Harry Parker, James Ambrose	Simplified design of steel structures	1991	1
FIL TA 684 .B47	Venancio I. Besavilla Jr	Fundamentals of structural steel design	1984	1

**CE 415 Principles of Reinforced Concrete and Pre-stressed Concrete**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 683.2 .F53	Kiang Hwee TAN	Fibre-reinforced polymer reinforcement for concrete structures volume 11	2003	1
CIR TA 682.4 .De47	Hiroyuki Aoyama	Design of method reinforced concrete structures	2001	1
CIR TA 658.44 .P38	T. Paulay	Seismic design of reinforced concrete and masonry building	1992	1

**UNIVERSITY LIBRARIES – SUMACAB CAMPUS****CE 414 Geotechnical Engineering (Soil Mechanics)**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 710 .D26p	Braja M. Das, Khaled Sobhan	Principles of geotechnical engineering	2018	1
CIR TA 710.Da37	Braja M. Das	Geotechnical engineering	2009	2
CIR TA 710 Ri56	Walden S. Rio	Soil mechanics laboratory manual	1995	1
CIR TA 710. M29	David E. McCarthy	Essentials of soil mechanics and foundations basic geotechnics	1988	1
TA 710 .In58		Introduction to soil mechanics		1

**PCS 1 Construction Cost Engineering**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
REF TH 435 Sc34	Karl F. Schmid	construction Estimating A Step-by-Step Guide to a Successful Estimate	2012	1
CIR TH 435 .P462	Robert L. Peurifoy	Estimating construction costs	2002	1
FIL TH 435 .F178	Max B. Fajardo Jr	Simplified Construction Estimate	2000	1

**PCS 2 Flood Control and Drainage Engineering**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TH 6123 T74	R.D. Treloar.	Plumbing	2012	1
CIR HT 166 .J199	Jain, A.K.	Making infrastructure work	2011	2
CIR TH 6123 .T74	Treloar, Roy.	Plumbing	2010	1

**CE 442 Quantity Surveying LIBRARIES – SUMACAB CAMPUS**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 545 .Du84	S K Duggal	Surveying, vol. 2	2013	2
CIR TA 545 .Du84	S K Duggal	Surveying, vol. 2	2009	1
CIR TA 573 .C68	George M. Cole	Principles and practice of land surveying sample examination	2003	1
CIR TA 545.V27	Jan Van Sickle	Surveying fundamentals problems	1997	1

**PCS 3 Structural Design of Towers and Other Vertical Structures**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TA 647 .F83	Fu, Feng (Structural engineer),	Advanced modelling techniques in structural design	2015	1
CIR TA 658 .S77		Structural design of low-rise building	2012	2
CIR TA 645 .St29	Leonidas Stavridis	Structural systems: behavior and design, vol.2	2010	1
CIR TA 683.2 .H365	M. Nadim Hassoun , Akthem Al-Manaseer	Structural concrete theory and design	2008	1
CIR TA 174 .Ad24	Bill Addis	Creativity and Innovation the structural engineer's contribution to design	2001	1

**PCS 4 Construction Occupational Safety and Health**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TH 443 .C74	Ovidiu Cretu	Risk management for design and construction	2011	1
CIR TH 5604 .Ma33	David V. Maccollum	Construction safety engineering principles	2007	2



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**PCS 5 Bridge and Earthquake Engineering**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR TG 300 .Zh43	Jim J. Zhao	Bridge engineering	2012	1
CIR TA 658.44 .Mi58	Takumi Miura	Earthquake Engineering new research	2009	1
CIR TG 300 .Po66	S Ponnuswamy	Bridge engineering	2008	1
CIR TA 654.5 .S54	Emil Simiu	Design of building and bridges for Wind	2006	1
CIR TA 159 .K46	Robert H. Kim	Bridge design for the Civil and structural professional engineering exams	2001	1

**CE 423 Construction Methods and Project Management**

CALL NUMBER	AUTHOR	TITLE	COPYRIGHT DATE	NO. OF COPIES
CIR Th 145 .Sp32c	Eva Kultermann, William P. Spence	Construction materials, methods and techniques building for a sustainable future	2017	1
CIR TH 145 .Co66	Robert L. Peurifoy... [et. al].	Construction planning, equipment, and methods	2006	2
CIR TH 145 .AI53	Allen, Edward, 1938-	Fundamentals of building construction: materials and methods	2004	2
FIL TH 145 F178	Max B. Fajardo Jr.	Simplified methods on building construction	1993	4

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