

UNIVERSITY OF TECHNOLOGY, JAMAICA

TEXTBOOKS REQUEST AY 2019/2020

FACULTY/DEPARTMENT/SCHOOL: College of Health Sciences, School of Pharmacy

COURSE OF STUDY: **BSc. in Pharmaceutical Technology**

Number of students at **Level 1 (Year 1)**: 20

MODULE	AUTHOR	TITLE	EDITION	ISBN	PUBLISHER	SEMESTER	REMARKS
Academic Writing I (COM1020)	Orogun, J., Jones-McKenzie, C., Kirton, L., & Bernard-Johnson, D	Academic Writing I Student's Workbook	Latest		School of Humanities and Social Sciences, University of Technology, Jamaica	Sem 1	Required
	Simmonds-McDonald, H., Fields, L., & Roberts, P.	Writing in English: A course book for Caribbean students	Latest		Houghton Mifflin Co.		Required
		Oxford, Cambridge or Collins Dictionary	Latest				Recommended
	Kirszner, L., & Mandell, S.R.	The brief holt handbook.	Latest		Thomson Heinle, USA		Recommended
	Raimes, A.	Keys for writers	Latest		Boston: Wadsworth		Recommended
	Robataille, J. & Connely, R.	Writer's resources: From paragraph to essay	Latest		Thomson Wadsworth, USA		Recommended
	Wilson, P. & Glazier, T.T	The least you should know about English	Latest		Boston: Thomson Wadsworth		Recommended
	Zeuschner, R	Communicating today: The essential	Latest		USA: Pearson Education		Recommended
College Mathematics 1B (MAT1047)	-	-	-	-	-	-	
General Microbiology (MIB1001)	John L. Ingraham; Catherine Ingraham	Introduction to Microbiology	Latest		Brooks/Cole Thomson Learning	Student Text	
	Black, Jacqueline G.	Microbiology- Principles & Explorations	Latest		Prentice hall Inc	Recommended	
	Tortora, Gerald/Funke, B Case, Christine L.	Microbiology: An Introduction	6 th		Banjamin/Cummings Publishing Co.	Recommended	
	Hugo W.B./Russel A.D.	Pharmaceutical Microbiology	Latest		Blockwell Scientific Pub	Recommended	
	Brock, Thomas/Madigan, Matinko/Parker	Biology of Micro-organisms	9th		Prentice Hall	Recommended	
Introduction to Psychology (PSY1002)	Morris, Charles G. and Maisto Albert A	Understanding Psychology	9 th		Pearson Education Inc. N.J. USA	Required	
	Baron, Roberts A.	Psychology	4 th		Allyn & Bacon	Recommended	
	Coon, Denis and Mitterer, John O.	Introduction to Psychology: Gateway to Mind and Behaviour	11 th		Thomson Publishing, CA, USA	Recommended	
	Wade, Carole and Tavis, Carol	Invitation to Psychology	4th		Pearson Education Inc: N.J., USA	Recommended	

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Applied Organic Chemistry (CHY1005)	Graham Solomons, T.W.	Organic Chemistry	Latest				Required
Community Service Project CSP1001	-	-	-	-	-		-
Calculus (MAT2003)	Bostock, L. and Chandler, S.;	Mathematics, The Core course for A'Level			ELBS Publishing Co.	Sem 2	Reference Text
	Haeussler E., et al	Introductory Mathematical Analysis	Latest		New Jersey" Prentice-Hall		Recommended
	Stroud, K.A.	Engineering Mathematics Programmes & Problems	Latest		McMillian		Recommended
	Dowling, Edward T	Calculus for Business, Economic and the Social Sciences Schaum's Outline Series	Latest		McGraw – Hill		
Information Technology	-	-	-	-	-	-	
Medical Physics	Giancoli, Douglas C.	Physics	Latest		Prentice Hall; Englewood Cliffs New Jersey		Required
	Hollins Martin	Medical Physics	Latest		University of Bath, McMallian Education Ltd,		Recommended
Pharmaceutical Calculations	Mitchell K/Stoklosa & Howard Ansil	Pharmaceutical Calculations	Latest		Williams & Wilkins		Student Text
Spanish Level 1	Martín, R. M. & Ellis, M. (2001).	<i>Pasos.</i>	Latest		London: Hodder & Stoughton.		Student Text
	Blommers, T.J.: Lagunas-Solar, M., Ritzi-Marouf, V., Rodriguez, F. & Samaniego, F.A.	<i>!Dímelo tú!</i>			Boston: The Thomson Corporation		Reference Text
	Kattan-Ibarra, J..	<i>Teach yourself Spanish</i>	Latest		London: Hodder & Stoughton		Reference Text

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FACULTY/DEPARTMENT/SCHOOL: College of Health Sciences, School of Pharmacy
COURSE OF STUDY: **BSc. in Pharmaceutical Technology**

Number of students at **Level 2 (Year 2): 20**

MODULE	AUTHOR	TITLE	EDITION	ISBN	PUBLISHER	SEMESTER	REMARKS
Academic Writing 2 (COM2014)	Jones McKenzie, C., & McDermott, H.	Critical Thinking, reading and writing: Student's workbook	Latest			Sem 1	Required
	Seyley, D. U	Read, reason, write: An argument text and reader	Latest		Boston: McGraw Hill		Required
	Barnet, S. & Bedau, H.	Critical thinking, reading and writing: A brief guide to argument	Latest		Boston: Bedford		Recommended
	Kolin, P.C	Successful writing at work	Latest		Boston: Houghton Mifflin Company		Recommended
	McCuen, J.R. & Winkler, A.C.	From idea to essay	Latest		Boston: Allyn and Bacon		Recommended
	Reinking, J.A. Hart, A.W., & Osten, R	Strategies for successful writing	Latest		New Jersey: Prentice Hall		Recommended
Pharmacognosy (PHA2001)	Trease and Evans	Pharmacognosy	Latest		Baillire Tindale, London	Sem 1	Required
	ES. Ayensu	Medicinal Plants of the West Indies	Latest		Alegonac, Michgan: Reference Publications Inc.		Recommended
	Tyler, Brady and Robber	Pharmacognosy			Lea at Febiger		Recommended
Pharmaceutics 1A-Lab (PHA2002A) & Pharmaceutics 2A-Lab (PHA2003A)	Winfield, A. J., Rees, J.A. & Smith, I.	Pharmaceutical Practice	Latest		London: Churchill Livingston.	Sem 1 & Sem 2	Required
		Martindale: The Extra Pharmacopoeia	29 th -Latest Edition		Royal Pharmaceutical Society of Great Britain Pharmaceutical Press, London		Required
	Lloyd V. Allen Jnr	The Art, Science and Technology of Pharmaceutical Compounding.	Latest		American Pharmacist Association		Recommended

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Pharmaceutics 1B Theory (PHA2002B) & Pharmaceutics 2B Theory (PHA2003B)	Ansel & Popovich	Pharmaceutical Dosage Forms & Drug Delivery Systems	Latest		Lippincott Williams & Wilkins	Sem 1	Required
	Edited Michael E. Aulton; Kevin M.G. Taylor	Aulton's Pharmaceutics: The Design and manufacture of Medicines	Latest		Churchill Livingston	&	Required
	Rowe, R. C., Sheskey, P., & Owen, S. C. (Eds.)	Handbook of Pharmaceutical Excipients.	Latest		London: Pharmaceutical Press.	Sem 2	
	Swarbrick, J.	In James Swarbrick (Ed.), Encyclopedia of pharmaceutical Technology.	Latest		USA: Informa Healthcare.		
	Patrick Sinko	Martin's Physical Pharmacy and Pharmaceutical Sciences	Latest		Philadelphia: Wolters Kluwer and Lippincott Williams & Wilkins.	Sem 1	Recommended
	Winfield, A. J., Rees, J.A. & Smith, I.	Pharmaceutical Practice	Latest		London: Churchill Livingston.		Recommended
Spanish Level 2	Martín, R. M. & Ellis, M.	Pasos. 1 Spanish Beginner's Course	Latest		London : Hodder & Stoughton		Student Text
	Hidalgo, A.F. EDELSA	Preparación al Diploma de Español A1.	Latest		EDELSA		Student Text
Elemental Principles of Chemical Engineering (CHE1001)	Felder, R.M. & Rousseau, R.W	Elementary Principles of Chemical Process	Latest		John Wiley & Sons Inc: New York		Reference Text

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FACULTY/DEPARTMENT/SCHOOL: College of Health Sciences, School of Pharmacy

COURSE OF STUDY: **BSc. in Pharmaceutical Technology**

Number of students at **Level 2 (Year 2): 20**

MODULE	AUTHOR	TITLE	EDITION	ISBN	PUBLISHER	SEMESTER	REMARKS
Analytical Chemistry (CHY3022)	Skoog, D.A, West, D.M, Holler, F. J, Cruch S.R	Fundamentals of Analytical Chemistry	Latest		Thomson/Cole	Sem 2	Required
	Skoog, D.A, Holler, F.J, & Nieman, T.A.	Principles of Instrumental Analysis	Latest		Harcourt Brace and Company		Required
	Jeffery, G.H, Bassett, J., Mendham, J., Denney, R.C,	Vogel's Textbook of Quantitative Chemical Analysis	Latest		Longman		Required
	Skoog, D.A, West, D.M, Holler, F.J	Analytical Chemistry: An Introduction	Latest		Harcourt Brace College Publishers		Recommended
	Hargis, L.G.	Analytical Chemistry: Principles and Techniques	Latest		Prentice Hall		Recommended
	Miller, J.C. Miller, J.N	Statistics for Analytical Chemistry	Latest		Ellis Horwood PTR Prentics Hall		Recommended
	Watson, D.G	Pharmaceutical Analysis: A textbook for Pharmacy Students and Pharmaceutical Chemist	Latest		Churchhill Livingstone		Recommended
Spanish Level 3 (SPA3006)	Arnold Martin, R.M & Ellis M.	Pacos I A First Course in Spanish	Latest		Holder & Stoughton	Recommended	
	Garcia -Vino, M	Preparacion al Diploma de Espanol, A2.	Latest		Espanna:EDELSA	Recommended	
	Watson-Grant, E., Moodie-Kublasingh, S & Russian e Randon, D	Viva Students Book 4: CXC	Book 4, Latest		England, Pearson Education Ltd	Recommended	
	Haylett, C., Britton, J., Leacock, M., Mendez, Y., Pasos, A., Pinnock, G. & Ramnarine, A	Que Hay?	2 nd		UK" Nelson Thomas	Recommended	
Sterile Technology	Ansel, H. C., Allen, L. V. & Popovich, N. G.	Pharmaceutical Dosage Forms & Drug Delivery Systems	Latest		Lippincott Williams & Wilkins	Required	
	S. Turco, R.E. King,	Sterile Dosage Forms	Latest edition		Lea Febiger	Required	
	Winfield, A. J., Rees, J.A. & Smith, I.	Pharmaceutical Practice	Latest		London: Churchill Livingston.	Sem 2 Recommended	
	Leberman and Karig	The Theory and Practice of Industrial Pharmacy -	3rd edition.		Lachman, Lea & Febiger	Recommended	
	Trissel,	Handbook on Injectable Drugs	10th edition			Recommended	

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COURSE OF STUDY: **BSc. in Pharmaceutical Technology**

Number of students at **Level 3 (Year 3)**: 20

MODULE	AUTHOR	TITLE	EDITION	ISBN #	PUBLISHER	SEMESTER	REMARKS
Separation Technique and Pharmaceutic Analysis (PHT3000)	Hansen, Steen, Pedersen-Bjergaard, Stig, Rasmussen Knut.	Introduction to Pharmaceutical Chemical Analysis.	1 st		John Wiley and Sons.	Sem 1	Required
	Moffat A.C., Osselton M.D. & Widdop B.	Clarke's Analysis of Drugs and Poisons: in pharmaceuticals, body fluids and post mortem material	4 th		Pharm. Press (London).		Recommended
	Cairns, D.	Essentials of Pharmaceutical Chemistry	4 th		Pharm. Press (London)		Recommended
	Haines, P.J. 1995.	Thermal Methods of Analysis: Principles, Applications and Problems.	1 st		Springer-Science.		
Pharmaceutical Technology I – Processing Technology (PHT3001)	Aulton, M., Taylor, K.	Pharmaceutics: The Design and Manufacture of Medicines.	4 th		Churchill Livingstone, London		Student Text
	Hickey, A., Ganderton, D.,	Pharmaceutical Processing Engineering.	2 nd		Marcel Decker INC. USA.		Student Text
	Leon Lachman, Lieberman, Kanig JL.,	Theory and Practice of Industrial Pharmacy,	3 rd		Varghese Publishing House, Bombay		Recommended
Biopharmaceutics/Basic Pharmacokinetics (PHA3003)	Shargel, L., Yu-Pong, S. and Yu, A. B. C.	Applied Biopharmaceutics and Pharmacokinetics	Latest		McGraw Hill		Required
	Ansel, H. C., Allen, L. V. & Popovich, N. G.	Pharmaceutical Dosage Forms & Drug Delivery Systems	Latest		Lippincott Williams & Wilkins		Required
	Micheal Aulton	The Science of Dosage Form Design	Latest		Churchill Livingstone		Required
Engineering Physics (PHS1005)	Giancoli, Douglas C.	Physics for Scientist and Engineers;	Latest		Prentice Hall; Englewood Cliffs, New Jersey;		Required
	Azzopardi, F & Stewart, B	Accessible Physics	Latest		McMillan Press Educational Publishers		Recommended
	Nelkon, M. & Parker, P	Advance Level Physics	Latest		Heinemann		Recommended
Research Methodology	-	-	-		-	-	-

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(RES3001)							
Project Seminar (HEA3011)	-	-	-		-	Sem 1	-
Spanish Level 4	Kish, Glen	Essential Spanish for Pharmacists	Latest		McGraw- Hill		Required

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 COURSE OF STUDY: BSc. in Pharmaceutical Technology

Number of students at **Level 3 (Year 3)**: 20

MODULE	AUTHOR	TITLE	EDITION	ISBN #	PUBLISHER	SEMESTER	REMARKS
Pharmaceutical Microbiology (PHT3002)	Aulton, M., Taylor, K.	Aulton's Pharmaceutics: The Design and Manufacture of Medicines. (Ed).	4 th	ISBN-13: 978-0702070051 ISBN-10: 070207005X	Churchill Livingstone, London	Sem 2	Required
	Denyer, S.P., Hodges, N., Gorman, S. Gilmore, B.	Hugo and Russell's Pharmaceutical Microbiology	8 th	ISBN-13: 978-1444330632 ISBN-10: 1444330632	Wiley Blackwell		Required
	Lund, W.	The Pharmaceutical Codex: Principles and Practice of Pharmaceutics.	12 th	ISBN-13: 978-0853692904 ISBN-10: 0853692904	CBS Publishers and Distributors, Delhi.		Recommended
Pharmaceutical Biotechnology (PHT3003)	Kokate, C., Hurakadle, P.J, Jalalpure, S.S	Textbook of Pharmaceutical Biotechnology	3 rd	ASIN: B0198ZLOKM	Elsivier Health Sciences	Sem 2	Required
	Crommelin D., Sindelar R. & Meibohm B	Pharmaceutical Biotechnology: Fundamentals and Applications (3 rd Ed).	3 rd	ISBN-13: 978-1461464853 ISBN-10: 1461464854	London, UK: Taylor and Francis.		Recommended
	Groves, M.J.	Pharmaceutical Biotechnology.	2 nd	ISBN-10: 0849318734 ISBN-13: 978-0849318733	USA: CRC Press		Recommended

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Pharmacology and Drug Information (PHA1004)	Richard A. Harvey, Michelle A. Clark, Richard Finkel , Jose A. Rey, Karen Whalen	Lippincott's Illustrated Reviews Pharmacology	5 th	978-1-4511-1314-3	Lippincott Williams & Wilkins		Required
Pharmaceutical Technology II - Disperse Systems (PHT3004)	Eds. Mansoor M. Amiji, et al.	Applied Physical Pharmacy	Latest	ISBN-13: 978-0071747509 ISBN-10: 0071747508	New York, NY: McGraw-Hill	Sem 2	Required
	In Sinko P. J., Singh Y. (Eds.)	Martin's physical pharmacy and pharmaceutical sciences in the pharmaceutical sciences	Latest edition	ISBN-13: 978-1609134020 ISBN-10: 1609134028	Philadelphia: Wolters Kluwer and Lippincott Williams & Wilkins.		Recommended
	Aulton, M., Taylor, K.	Aulton's Pharmaceutics: The Design and Manufacture of Medicines. (Ed).	4 th	ISBN-13: 978-0702070051 ISBN-10: 070207005X	Churchill Livingstone, London		Recommended
	Herbert A. Lieberman, Martin M. Rieger, Gilbert S. Banker	Pharmaceutical Dosage Forms: Disperse systems	2 nd	ISBN-13: 978-0824798420 ISBN-10: 0824798422	M Dekker, New York		Recommended
	Tadros, Tharwat F. (Editor)	Emulsion Formation and Stability	Latest	ISBN-13: 978-3527319916 ISBN-10: 3527319913	John Wiley and Spns		Recommended
	Alok K. Kulshreshtha, Onkar N. Singh, G. Michael Wall	Pharmaceutical Suspensions: From Formulation Development to Manufacturing	1 st	ISBN-13: 978-1441910868 ISBN-10: 1441910867	Springer		Recommended

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COURSE OF STUDY: BSc. in Pharmaceutical Technology

Number of students at Level 3 (Year 3): 20

MODULE	AUTHOR	TITLE	EDITION	ISBN#	PUBLISHER	SEMESTER	REMARKS
Biostatistics (STA3001)	Gareth A. Lewis, Didier Mathieu, Roger Phan-Tan-Luu	Pharmaceutical Experimental Design	1 st	ISBN-13: 978-0824798604 ISBN-10: 0824798600	Marcel Dekker, New York	Sem 2	Recommended
	Jones, D	Pharmaceutical Statistics	Latest	ASIN: B01K0TIJC6	Pharm. Press		Required
Policies and Regulation in the Pharmaceutical Industry. (PHA3025)	Ministry of Health, Jamaica	Pharmacy Laws The Food & Drugs Act, 1975 The Dangerous Drugs Act, 1948 The Pharmacy Act, 1975 The Precursor Chemicals Act, 2013	----	-	Ministry of Health, Jamaica		Required
	Dukes, G	The Law and Ethics of the Pharmaceutical Industry		ISBN-13: 978-0444518682 ISBN-10: 0444518681	London, UK: Elsevier		Recommended

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FACULTY/DEPARTMENT/SCHOOL: College of Health Sciences, School of Pharmacy
 COURSE OF STUDY: BSc. in Pharmaceutical Technology

Number of students at Level 4 (Year 4): 20

MODULE	AUTHOR	TITLE	EDITION	ISBN #	PUBLISHER	SEMESTER	REMARKS
Pharmaceutical Technology III: Dosage Form Design and Development (PHT4000)		Remington, the Science and Practice of Pharmacy	22nd Edition,	ISBN-13: 978-0857110626 ISBN-10: 0857110624	Lippincott Williams,	Sem 1	Recommended
	Ansel & Popovich	Pharmaceutical Dosage Forms & Drug Delivery Systems	Latest	ISBN-13: 978-0781779340 ISBN-10: 0781779340	Lippincott Williams & Wilkins		Recommended
	Leon Lachman, Lieberman, Kanig JL.,	Theory and Practice of Industrial Pharmacy	Latest	ISBN-13: 978-0812109771 ISBN-10: 0812109775	Varghese Publishing House, Bombay		Recommended
		United States Pharmacopoeia	Latest	ISBN-13: 978-1936424320 ISBN-10: 1936424320			Recommended
		British Pharmacopoeia	Latest	ISBN-10: 9780113230686 ISBN-13: 978-0113230686			Recommended
Pharmaceutical Process Principles (CHE4027)	Bennett, B., and Cole, G.	Pharmaceutical Production: An Engineering Guide	Latest	0-85295-440-9	IChemE	Recommended	
	Seader, J. D & Henley, E.J	Separation Process Principles	3rd	978-0470-48183-7	Wiley	Recommended	
Introduction to Production & Operations (POM3001)	Heizer, J.H, & Render, B	Operations Management	Latest		Upper Saddle River. N.J Prentice Hall	Required	
	Stephenson, W.J	Operations Management	Latest		McGraw-Hill Education	Recommended	
	Simpson, N. & Hancock, P	Practical Operations Management	Latest	10:1939297001 13:978-1939297006		Recommended	
	Krajewski, L.J, Malhotra, M.K., Ritzman, L.P.	Operations Management Process and Supply Chains	Latest	10:013411020X 13:978134110202	Prentice Hall	Recommended	
Financial Management Accounting (ACC4031)	Carey, M., Knowles, C. & Towers-Clark, J	Accounting: A smart approach	2nd		Oxford University Press	Required	
	Garrick, C.B	The Fundamental of Accounting: A Concise Course for Beginners	Latest			Recommended	
	Hornngren, Sundem and Stratton.	Introduction to Management Accounting	15th	ISBN-13: 978-0136102779 ISBN-10: 0136102778	Pearson Higher Education	Recommended	

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Good Manufacturing Practices (PHT4001)	World Health Organization	Quality Assurance of Pharmaceuticals: a compendium of guidelines and related materials.	Volume 2.		WHO Press, Geneva, Switzerland		Required
	World Health Organization	Good manufacturing practices and inspection	2 nd Ed.		WHO Press, Geneva, Switzerland		Required
Entreneurship Seminar (PHA4024)	-	-	-	-	-		-
Cosmetic Technology (PHT4003)	Martin M Rieger (Editor)	Harry's Cosmeticology	8th edition	ISBN-13: 978-0820603728 ISBN-10: 0820603724	Chemical Publishing Company		Required
	MS Balsam and Edward Sagarin (Editors)	Cosmetics: Science and Technology	Latest	ISBN-13: 978-0894645259 ISBN-10: 0894645250	Krieger Publishing Company		Recommended
Herbal & Complementary Medicine (PHA4007)	Varro E. Tyler	Herbs of Choice -The therapeutic use of Phytomedicinals	Latest	ISBN-10: 1560248955 ISBN-13: 978-1560248958			Recommended
	Barbara Griggs	New Green Pharmacy – The story of Western Herbal Medicine	Latest			Sem 1	Recommended
	Herminia de Guzman-Ladion	Healing Wonders of Herbs	Latest				Recommended
	James F. Balch and phyllis A Balch	Prescription for Nutritional Healing	Latest				Recommended
	Joanne Barnes , Linda A. Anderson, J. D. Phillipson	Herbal Medicines- A guide for health Care Professionals	Latest	ISBN-13: 978-0853692898 ISBN-10: 0853692890			
		Towards a Caribbean Pharmacopeia – Tramil 4 Workshop	Latest				

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