

CHEMISTRY BOOKLISTS - 2017/2018

CHEM0615 - PRELIMINARY CHEMISTRY I

REQUIRED

RAMSDEN E.N. A-LEVEL CHEMISTRY LATEST ED. (PB) STANLEY THORNES
ISBN: 0-74875-299-4

ELLIS, H. BOOK OF DATA LATEST ED. LONGMAN
ISBN: 0-582-35448-X

RECOMMENDED

JONES L., & ATKINS, P. CHEMISTRY: MOLECULES, MATTER & CHANGE 4TH ED. OR LATEST ED. FREEMAN
ISBN: 0-71674-257-8

CHEM0625 - PRELIMINARY CHEMISTRY II

REQUIRED

RAMSDEN E.N. A-LEVEL CHEMISTRY LATEST ED. (PB) STANLEY THORNES
ISBN: 0-74875-299-4

ELLIS, H. BOOK OF DATA LATEST ED. LONGMAN
ISBN: 0-582-35448-X

RECOMMENDED

JONES L., & ATKINS, P. CHEMISTRY: MOLECULES, MATTER & CHANGE 4TH ED. OR LATEST ED. FREEMAN NEW YORK
ISBN: 0-71674-257-8

CHEM1110 – INTRODUCTION TO ORGANIC CHEMISTRY

REQUIRED

WADE, L.G. ORGANIC CHEMISTRY LATEST ED. PRENTICE HALL INT'L
ISBN: 0-13-110310-5

ELLIS, H. BOOK OF DATA LATEST ED. LONGMAN
ISBN: 0-582-35448-X

RECOMMENDED

SIMEK, J.W. ORGANIC CHEMISTRY SOLUTIONS MANUAL 6TH ED. PRENTICE HALL
ISBN: 0-13-147882-6

KLEIN, D.R. ORGANIC CHEMISTRY AS A SECOND LANGUAGE I & II LATEST ED. WILEY
ISBN: 978-0-470-12929-6
ISBN: 978-0-471-73808-5

CHEM1120 – INTRODUCTION TO PHYSICAL CHEMISTRY

REQUIRED

ATKINS, P.W. ELEMENTS OF PHYSICAL CHEMISTRY 3RD OR LATEST ED. OXFORD
ISBN: 0-19-879290-5

RECOMMENDED

NOGGLE, J. PHYSICAL CHEMISTRY LATEST ED. PEARSON EDUCATION
ISBN: 0-673-52341-1

CHEM1125 – INTRODUCTION TO EXPERIMENTAL CHEMISTRY

REQUIRED

ELLIS, H.	BOOK OF DATA	LATEST ED.	LONGMAN ISBN: 0-582-35448-X
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RECOMMENDED

HARRIS, D.C.	QUANTITATIVE CHEMICAL ANALYSIS	6 TH OR LATEST ED.	W.H. FREEMAN & COMPANY ISBN: 0-7167-4464-3
SIVIA, D.S. & RAWLINS, S.G.	FOUNDATIONS OF SCIENCE MATHEMATICS	LATEST ED.	OXFORD

CHEM1130 – INTRODUCTION TO INORGANIC CHEMISTRY

REQUIRED

MEEK, T.L.	AN INTRODUCTION TO SPECTROSCOPY, ATOMIC STRUCTURE & CHEMICAL BONDING (With Supplement: An Introduction to Coordination Complexes)	1998	UWI PRESS ISBN: 976-8125-41-41
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RECOMMENDED

HENDERSON McKAY, K., McKAY, A. &	INTRODUCTION TO MODERN INORGANIC CHEMISTRY	LATEST ED. (PB)	PRENTICE HALL ISBN: 0-7487-3983-1
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CHEM2xxx - LABORATORY METHODS IN CHEMISTRY I

REQUIRED

WILLIAMSON, K.L.	MACROSCALE & MICROSCALE ORGANIC EXPERIMENTS	LATEST ED.	HOUGHTON MIFFLIN ISBN: 0-395-90220-7
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WOOLINS, J.D	INORGANIC EXPERIMENTS	LATEST ED.	VCH ISBN: 3-527-29253-5
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RECOMMENDED

HARRIS, D. C & BERTOLUCCI, M. D.	SYMMETRY AND SPECTROSCOPY: AN INTRODUCTION TO VIBRATIONAL AND ELECTRONIC SPECTROSCOPY;	1989 - DOVER PUBLICATIONS ISBN-13: 978-0486661445
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ARNSHAW, A.; GREENWOOD, N.;	CHEMISTRY OF THE ELEMENTS	2012- BUTTERWORTH- HEINEMANN: ISBN-13: 978-1579128951
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VOGEL, A. I.; FURNISS, B. S.; HANNAFORD, A. J SMITH, P. W. G. & TATCHELL, A. R.	VOGEL'S TEXTBOOK OF PRACTICAL ORGANIC CHEMISTRY	1996 PRENTICE HALL: NEW JERSEY ISBN-13: 978-0582462366
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MOHRIG, J.	EXPERIMENTAL ORGANIC CHEMISTRY: MOLECULES	3 RD ED. (1997) H. FREEMAN & CO. LTD ISBN: 0-7167-2818-4
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SLOAN, T. E.	INORGANIC SYNTHESSES, COLLECTIVE INDEX FOR VOLUMES 1- 36	1996-2014
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GIROLAMI, G. S.; RAUCHFUSS, T. B. & ANGELICI	SYNTHESIS AND TECHNIQUE IN INORGANIC CHEMISTRY: A LABORATORY MANUAL	1999 UNIVERSITY SCIENCE BOOKS, VIRGINIA ISBN 13: 978-0-935702-48-4
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WADE, L. G.; SIMEK, J. W	ORGANIC CHEMISTRY	2016 PEARSON PRENTICE HALL ISBN 13: 978-0-321971-37-1
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CHEM2xxx - LABORATORY METHODS IN CHEMISTRY II

RECOMMENDED

SHOEMAKER, D.P., GARLAND, C.W. & NIBLER, J.W.	EXPERIMENTS IN PHYSICAL CHEMISTRY	2011 MCGRAW- HILL ISBN-13: 978-0072828429
HARRIS, DANIEL C.	QUANTITATIVE CHEMICAL ANALYSIS	6 TH Ed. OR LATEST WH FREEMAN ISBN: 0-7167-4464-3
SKOOG, D. A., WEST, D. M., HOLLER, F. J & CROUCH, S. R.,	FUNDAMENTALS OF ANALYTICAL CHEMISTRY	2013 CENGAGE LEARNING ISBN-13: 978-0495558286
RADOJEVIC, M, BASHKIN, V. N.,	PRACTICAL ENVIRONMENTAL ANALYSIS	2006 RSC PUBLISHING ISBN-13: 978-0854046799

CHEM2xxx – INTERMEDIATE INORGANIC CHEMISTRY

REQUIRED

COTTON, F.A.;; WILKINSON, G. & GANS, P.L.	BASIC INORGANIC CHEMISTRY	3 rd Ed. (Paperback) WILEY ISBN: 0-4715-1808-5
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RECOMMENDED

NORMAN, N. C.	PERIODICITY AND THE s- AND p-BLOCK ELEMENTS	1997 - OXFORD UNIVERSITY PRESS ISBN: 9780198559610
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CHEM2xxx – INTERMEDIATE ORGANIC CHEMISTRY

REQUIRED

WADE, L.G.	ORGANIC CHEMISTRY	9 th Ed. (2016) PRENTICE HALL ISBN-13: 978-0134160382
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RECOMMENDED

McMURRAY, J.	ORGANIC CHEMISTRY	9 th Ed. (2015) BROOKS/COLE ISBN: 0-534-38999-6
VOLLHARDT, K. P. C & SCHORE N. E	ORGANIC CHEMISTRY	7 th Ed. (2014) FREEMAN & CO LTD ISBN-13: 978-1464120275
KLEIN, D.R.	ORGANIC CHEMISTRY AS A SECOND LANGUAGE II	4 th Ed. (2016). WILEY ISBN:978-1119110668

CHEM2xxx – INTERMEDIATE PHYSICAL CHEMISTRY

REQUIRED

ATKINS, P.W.	PHYSICAL CHEMISTRY	10 th Ed. (2014) OXFORD ISBN 13: 978-1429290197
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RECOMMENDED

DENARO, A.R.,	ELEMENTARY ELECTROCHEMISTRY	1971 BUTTERWORTH- HEINEMANN LTD, ISBN 13: 978-0408700719
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CHEM2xxx - QUANTITATIVE CHEMICAL ANALYSIS

REQUIRED

HARRIS, D.C.	QUANTITATIVE CHEMICAL ANALYSIS	6 TH OR LATEST ED.	W.H. FREEMAN ISBN: 0-7167-4464-3
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RECOMMENDED

SKOOG, WEST & HOLLER	FUNDAMENTALS OF ANALYTICAL		9 TH Ed. (2016) CENGAGE LEARNING ISBN: 0-7167-4464-3
HAGE, D.S. & CARR, J.D.	ANALYTICAL CHEMISTRY & QUANTITATIVE ANALYSIS		2010 PRENTICE HALL (PEARSON) ISBN-13: 978-0-321-70680-5 ISBN-10: 0-321-70680-3
MILLER, J.C. & MILLER, J.N.	STATISTICS FOR ANALYTICAL CHEMISTRY		6 th Ed. (2011) PRENTICE HALL ISBN-13: 978-0273730422

CHEM2xxx - CHEMISTRY OF THE ENVIRONMENT

REQUIRED

ANDREWS, J. E., BRIMBLECOMBE, P., JICKELLS, T. D., LISS, P. S., & REID, B. J	AN INTRODUCTION TO ENVIRONMENTAL CHEMISTRY		2 nd Ed. (2013) BLACKWELL PUBLISHING ISBN 13: 978063205905-8
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RECOMMENDED

WILLIAMS, I.	ENVIRONMENTAL CHEMISTRY		2001 WILEY ISBN 13: 9780471-48942-9
BAIRD, C. & CANN, M.	ENVIRONMENTAL CHEMISTRY		3 RD Ed. (2012) WH FREEMAN ISBN-13: 978-1429277044
VANLOON, G. W.; DUFFY, S. J.	ENVIRONMENTAL CHEMISTRY: A GLOBAL PERSPECTIVE;		3 RD Ed. (2010) OXFORD UNIVERSITY PRESS ISBN 13: 9780199228867
SPIRO, T. G. & STIGLIANI, W.M.	CHEMISTRY OF THE ENVIRONMENT		3 RD Ed. (2011) PRENTICE HALL ISBN-13: 978-0137548965\
MANAHAN, S.	ENVIRONMENTAL CHEMISTRY		10 th Ed. (2017) CRC PRESS ISBN -13: 9781498776936

CHEM3100 - INORGANIC CHEMISTRY II

MESSLER, G.L., TARR, D.A.	INORGANIC CHEMISTRY	LATEST ED	PRENTICE HALL ISBN 10: 0130354716
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CHEM3135 - BIO-INORGANIC CHEMISTRY

REQUIRED

LIPPARD, S. & BERG, J.	PRINCIPLES OF BIOINORGANIC CHEMISTRY	LATEST ED.	UNIVERSITY SCIENCE BOOK ISBN: 0-935702-72-5
BURGESS, J.	IONS IN SOLUTION: BASIC PRINCIPLES OF CHEMICAL INTERACTIONS	2 ND OR LATEST ED.	HORWOOD PUBLISHING CHICHESTER ISBN:1-898563-50-0

CHEM3200 - ORGANIC CHEMISTRY II

REQUIRED

WADE, L.G. Jr.	ORGANIC CHEMISTRY	LATEST ED.	PRENTICE HALL ISBN: 0-13-110310-5
GILCHRIST, T.L.	HETEROCYCLIC CHEMISTRY	LATEST ED.	LONGMANS ISBN: 0-582-06420-1
SYKES, P.	A GUIDEBOOK TO MECHANISM IN ORGANIC CHEMISTRY	LATEST ED.	LONGMANS ISBN: 0-582-44695-3
MACKIE, R.K., SMITH, D.M. & AITKEN, R. A.	GUIDEBOOK TO ORGANIC SYNTHESIS	LATEST ED.	PRENTICE HALL ISBN: 0-582-29093-7

RECOMMENDED

CARRUTHERS, C.	SOME MODERN METHODS OF ORGANIC SYNTHESIS	LATEST ED.	CAMBRIDGE ISBN: 0-521-311179-9
DAVIES, D.T.	AROMATIC HETEROCYCLIC CHEMISTRY	LATEST ED.	OXFORD ISBN: 0-19-855660-8
McMURRAY, J.	ORGANIC CHEMISTRY	5 TH ED.	BROOKS/COLE ISBN: 0-534-38999-6
FLEMING, I.	PERICYCLIC REACTIONS	LATEST ED.	OXFORD ISBN: 0-19-850307-5
CAREY, F.A., SUNDBERG, R.J.	ADVANCED ORGANIC CHEMISTRY B	LATEST ED.	PLENUM ISBN: 0-306-43457-1
PROCTER, G.	STEREOSELECTIVITY IN ORGANIC SYNTHESIS	LATEST ED.	OXFORD ISBN: 0-19-855957-7

CHEM3210 - BIO-ORGANIC AND MEDICINAL CHEMISTRY

REQUIRED

MANN, J.	SECONDARY METABOLISM	2 ND ED. OR LATEST ED.	OUP ISBN: 0-198-55530 -X
McMURRAY, J.	ORGANIC CHEMISTRY	LATEST ED.	BROOKS / COLE ISBN: 0-534-38999-6
PATRICK, G.L.	AN INTRODUCTION TO MEDICINAL CHEMISTRY	3 RD ED. (2005)	OUP

RECOMMENDED

WADE, L G. Jr.	ORGANIC CHEMISTRY	LATEST ED.	PRENTICE HALL ISBN: 0-13-110310-5
COLLINS, P. & FERRIER R.	MONOSACCHARIDES	1995	JOHN WILEY & SONS ISBN: 13 978-0-471-95343-2 ISBN: 10 0-471-95345-1
TERRETT, N.K.	COMBINATORIAL CHEMISTRY	1998	OUP ISBN: 13-978-0198502107 ISBN: 10-0198502192
FOYE, W.O., LEMKE, T.L., & WILLIAMS, D.A.	FOYE'S PRINCIPLES OF MEDICINAL CHEMISTRY	1995	WILLIAMS & WILKINS ISBN: 13-978-0781768705 ISBN: 10-0781768799
BAILEY, P.D.	AN INTRODUCTION TO PEPTIDE CHEMISTRY	1992	JOHN WILEY & SONS ISBN: 978-0-471-92348-0
THOMAS, G.	MEDICINAL CHEMISTRY - AN INTRODUCTION	2 ND ED. (2004)	JOHN WILEY & SONS ISBN: 978-0-470-02598-7
FAIRBANKS, ANTHONY, J.	CARBOHYDRATE CHEMISTRY	LATEST ED.	OXFORD CHEMISTRY PRESS ISBN: 0-19-855833-3

CHEM3300 - PHYSICAL CHEMISTRY II

REQUIRED

ATKINS, P.W.	PHYSICAL CHEMISTRY	LATEST ED.	OXFORD
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RECOMMENDED

SIVIA, D.S. & RAWLINS, S.G.	FOUNDATIONS OF SCIENCE MATHEMATICS	LATEST ED.	OXFORD
BANWELL, C.N. & McCASH, E.M.	FUNDAMENTALS OF MOLECULAR SPECTROSCOPY	LATEST ED.	MCGRAW- HILL ISBN: 0-07-70796-0
LAIDLER, K.J.	CHEMICAL KINETICS	LATEST ED.	ADDISON WESLEY ISBN: 0060438622
AVERY, H.E.	BASIC REACTION KINETICS AND MECHANISM	LATEST ED.	MACMILLAN
MACZEK, A.O.S.	STATISTICAL THERMODYNAMICS	LATEST ED.	OXFORD

CHEM3415 - ANALYTICAL CHEMISTRY III

REQUIRED

SKOOG, D.A., HOLLER, J. & NEIMAN, T.A.	PRINCIPLES OF INSTRUMENTAL ANALYSIS	5 TH ED. OR LATEST ED.	SAUNDERS COLLEGE ISBN: 0-03-002078-6
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RECOMMENDED

BILLO, E.J.	EXCEL FOR CHEMISTS: A COMPREHENSIVE GUIDE	2 ND OR LATEST ED.	WILEY - VCH ISBN 0-471-39462-9
HARRIS, D.C.	QUANTITATIVE CHEMICAL ANALYSIS	6 TH ED OR LATEST ED.	FREEMAN ISBN: 0-7167-4464-3
WILSON, K. & WALKER, J.	PRACTICAL BIOCHEMISTRY: PRINCIPLES AND TECHNIQUES (Ask for Cambridge Low Cost Ed. (Paperback))	5 th ED OR LATEST ED.	CAMBRIDGE UNIV. PRESS ISBN: 0-521-79965-1

CHEM3500 - CHEMISTRY PROJECT

RECOMMENDED

DODD, J.S.	THE ACS STYLE GUIDE	LATEST ED.	AMERICAN CHEMICAL SOCIETY
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CHEM3505 - CHEMISTRY RESEARCH PROJECT

RECOMMENDED

DODD, J.S.	THE ACS STYLE GUIDE	LATEST ED.	AMERICAN CHEMICAL SOCIETY
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