

CHEMISTRY BOOKLISTS - 2011/2012

CHEM0615 - PRELIMINARY CHEMISTRY I

REQUIRED

RAMSDEN E.N.	A-LEVEL CHEMISTRY	LATEST ED. (PB)	STANLEY THORNES ISBN: 0-74875-299-4
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ELLIS, H.	BOOK OF DATA	LATEST ED.	LONGMAN ISBN: 0-582-35448-X
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RECOMMENDED

JONES L., & ATKINS, P.	CHEMISTRY: MOLECULES, MATTER & CHANGE	4 TH ED. OR LATEST ED.	FREEMAN ISBN: 0-71674-257-8
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CHEM0625 - PRELIMINARY CHEMISTRY II

REQUIRED

RAMSDEN E.N.	A-LEVEL CHEMISTRY	LATEST ED. (PB)	STANLEY THORNES ISBN: 0-74875-299-4
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ELLIS, H.	BOOK OF DATA	LATEST ED.	LONGMAN ISBN: 0-582-35448-X
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RECOMMENDED

JONES L., & ATKINS, P.	CHEMISTRY: MOLECULES, MATTER & CHANGE	4 TH ED. OR LATEST ED.	FREEMAN NEW YORK ISBN: 0-71674-257-8
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CHEM1010 - FUNDAMENTALS OF CHEMISTRY

REQUIRED

ATKINS, P.W.	ELEMENTS OF PHYSICAL CHEMISTRY	3 RD OR OXFORD LATEST ED.	ISBN:0-19-879290-5
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HARRIS, D.C.	QUANTITATIVE CHEMICAL ANALYSIS	6 TH OR LATEST ED.	W.H. FREEMAN & COMPANY ISBN: 0-7167-4464-3
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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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SIVIA, D.S. & RAWLINS, S.G.	FOUNDATIONS OF SCIENCE MATHEMATICS	LATEST ED.	OXFORD
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WADE, L.G.	ORGANIC CHEMISTRY	LATEST ED.	PRENTICE HALL INT'L ISBN: 0-13-110310-5
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ELLIS, H.	BOOK OF DATA	LATEST ED.	LONGMAN ISBN: 0-582-35448-X
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SIMEK, J.W.	ORGANIC CHEMISTRY SOLUTIONS MANUAL	6 TH ED.	PRENTICE HALL ISBN: 0-13-147882-6
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RECOMMENDED

KLEIN, D.R.	ORGANIC CHEMISTRY AS A SECOND LANGUAGE I	LATEST ED.	WILEY ISBN: 978-0-470-12929-6
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McKAY, K., McKAY, A. & HENDERSON	INTRODUCTION TO MODERN INORGANIC CHEMISTRY	LATEST ED. (PB)	PRENTICE HALL ISBN: 0-7487-3983-1
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NOGGLE, J.	PHYSICAL CHEMISTRY	LATEST ED.	PEARSON EDUCATION ISBN: 0-673-52341-1
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PRICE, GARETH	THERMODYNAMICS OF CHEMICAL PROCESSES	LATEST ED	OXFORD ISBN: 0-19-855963-1
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CHEM1020 - INTRODUCTORY CHEMISTRY**REQUIRED**

ATKINS, P.W.	ELEMENTS OF PHYSICAL CHEMISTRY	3 rd or LATEST ED.	OXFORD ISBN: 0-19879290-5
HARRIS, D.C.	QUANTITATIVE CHEMICAL ANALYSIS	6 th ed. LATEST ED	W.H. FREEMAN & COMPANY ISBN: 0-7167-4464-3
MEEK, T.L.	AN INTRODUCTION TO SPECTROSCOPY, ATOMIC STRUCTURE & CHEMICAL BONDING With Supplement: An Introduction to Coordination Complexes	1998	THE PRESS UWI ISBN: 976-8125-41-41
SIVIA, D.S. & RAWLINS, S.G.	FOUNDATIONS OF SCIENCE MATHEMATICS	LATEST ED.	OXFORD
WADE, L.G.	ORGANIC CHEMISTRY	LATEST ED.	PRENTICE HALL ISBN: 0-13-110310-5
SIMEK, J.W.	ORGANIC CHEMISTRY SOLUTIONS MANUAL	6 TH ED.	PEARSON PRENTICE HALL ISBN: 0-13-147882-6
ELLIS, H.	BOOK OF DATA	LATEST ED.	LONGMAN ISBN: 0-582-35448-X

RECOMMENDED

McKAY, K., McKAY, A. & HENDERSON, W.	INTRODUCTION TO MODERN INORGANIC CHEMISTRY	LATEST ED. (PB)	PRENTICE HALL ISBN: 0-7487-3983-1
PRICE, G.	THERMODYNAMICS OF CHEMICAL PROCESSES	LATEST ED.	OXFORD ISBN: 0-19-855963-1
NOGGLE, J.	PHYSICAL CHEMISTRY	LATEST ED.	PEARSON EDUCATION LTD. ISBN: 0-673-52341-1
KLEIN, D.R.	ORGANIC CHEMISTRY AS A SECOND LANGUAGE II	LATEST ED.	WILEY ISBN: 978-0-471-73808-5

CHEM2010 - PRACTICAL CHEMISTRY I**RECOMMENDED**

WOOLINS, J.D	INORGANIC EXPERIMENTS	LATEST ED.	VCH ISBN: 3-527-29253-5
SZAFRAN, Z., PIKE, R.M., & SINGH, M.M.	MICROSCALE INORGANIC CHEMISTRY	LATEST ED.	WILEY
JEFFREY, G.H., BASSETT, J., MENDHAM, J. & DENNERY, R.C.	VOGEL'S TEXTBOOK OF QUANTITATIVE INORGANIC ANALYSIS	LATEST INT'L. STUDENT EDITION	LONGMANS ISBN: 0-582351672
WILLIAMSON, K.L.	MACROSCALE & MICROSCALE ORGANIC EXPERIMENTS	LATEST ED.	HOUGHTON MIFFLIN ISBN: 0-395-90220-7
MOHRIG, H. MORRILL & NECKER	EXPERIMENTAL ORGANIC CHEMISTRY: MACROSCALE & MICROSCALE	LATEST ED.	FREEMAN ISBN: 0-7167-2818-4

CHEM2020 - PRACTICAL CHEMISTRY II**RECOMMENDED**

SHOEMAKER, D.P., GARLAND, C.W. & NIBLER, J.W.	EXPERIMENTS IN PHYSICAL CHEMISTRY	LATEST ED.	MCGRAW- HILL
DANIELS, F., WILLIAMS, J.W., BENDER, P., ALBERTY, R.A., CORNWELL, C.D. & HARRIMAN, J.E.	EXPERIMENTAL PHYSICAL CHEMISTRY	LATEST ED.	MCGRAW- HILL

CHEM2100 - INORGANIC CHEMISTRY I**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

HUHEEY, J., KEITER, R. & KEITER, E.	INORGANIC CHEMISTRY: PRINCIPLES OF STRUCTURE & REACTIVITY	1993 OR LATEST ED. (PB)	HARPER COLLINS ISBN: 0-06-642995-X
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CHEM2200 - ORGANIC CHEMISTRY I**REQUIRED**

WADE, L.G.	ORGANIC CHEMISTRY	LATEST ED.	PRENTICE HALL INT'L. ISBN: 0-13-110310-5
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SIMEK, J.W.	ORGANIC CHEMISTRY SOLUTIONS MANUAL	6 TH ED.	PEARSON PRENTICE HALL ISBN: 0-13-147882-6
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RECOMMENDED

McMURRAY, J.	ORGANIC CHEMISTRY	LATEST ED.	BROOKS/COLE ISBN: 0-534-38999-6
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SYKES, P.	A GUIDEBOOK TO MECHANISMS IN ORGANIC CHEMISTRY	LATEST ED.	LONGMAN ISBN: 0-582-44695-3
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KLEIN, D.R.	ORGANIC CHEMISTRY AS A SECOND LANGUAGE II	LATEST ED.	WILEY ISBN: 978-0-471-73808-5
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CHEM2300 - PHYSICAL CHEMISTRY I**REQUIRED**

ATKINS, P.W.	PHYSICAL CHEMISTRY	LATEST ED.	OXFORD
SIVIA, D.S. & RAWLINGS, 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

RECOMMENDED

NOGGLE, J.	PHYSICAL CHEMISTRY	LATEST ED.	PEARSON EDUCATION ISBN: 0-673-52341-1
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CHEM2400 - ANALYTICAL CHEMISTRY I**REQUIRED**

HARRIS, D.C.	QUANTITATIVE CHEMICAL ANALYSIS	6 TH OR LATEST ED.	W.H. FREEMAN ISBN: 0-7167-4464-3
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MILLER, J.C. & MILLER, J.N.	STATISTICS FOR ANALYTICAL CHEMISTRY	LATEST ED.	ELLIS HORWOOD PTR PRENTICE HALL
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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
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CHEM3100 - INORGANIC CHEMISTRY II**REQUIRED**

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

CHEM3145 - BONDING IN INORGANIC CHEMISTRY**REQUIRED**

KETTLE, S.F.A.	SYMMETRY & STRUCTURE	LATEST ED.	WILEY ISBN: 0-471-95476-4
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RECOMMENDED

VINCENT, A.	MOLECULAR SYMMETRY & GROUP THEORY	LATEST ED.	WILEY ISBN: 0-471-01868-6
DAVIDSON, G.	GROUP THEORY FOR CHEMISTS	LATEST ED. (PB)	MACMILLIAN ISBN: 0-333-49298-6
GILLESPIE, R.T. & POPELIER P.L.A.	CHEMICAL BONDING AND MOLECULAR GEOMETRY	2001 OR LATEST ED.	OUP ISBN: 0-19-510496-X
HUHEEY, J.E., KEITER, E.A. & KEITER, R.L.	INORGANIC CHEMISTRY: PRINCIPLES OF STRUCTURES AND REACTIVITY	4 TH ED. OR LATEST ED.	HARPER COLLINS ISBN: 0-06-043995-X

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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CHEM3515 - ENVIRONMENTAL CHEMISTRY**REQUIRED**

VanLOON, G.W. & DUFFY, S.J.	ENVIRONMENTAL CHEMISTRY: A GLOBAL PERSPECTIVE	2 ND Ed. (2005)	OXFORD UNI. PRESS ISBN-13: 978-0-19-927499-4
BAIRD, C. & CANN, M.	ENVIRONMENTAL CHEMISTRY	3 RD Ed. (2005)	ISBN-13: 978-0716748779 ISBN 10: 0716748770

RECOMMENDED

SPIRO, T. G. & STIGLIANI, W.M.	CHEMISTRY OF THE ENVIRONMENT	2 ND Ed. (2003)	ISBN-10: 0137548966 ISBN-13: 978-0137548965
MANAHAN, S	ENVIRONMENTAL CHEMISTRY	8 TH Ed. (2005)	ISBN-10: 1566706335 ISBN-13: 978-1-56670-663-9