

2023-2024 Booklists

CHEM0615 - Preliminary Chemistry I & CHEM0625 - Preliminary Chemistry II REQUIRED

LONGMAN	ELLIS, H.	BOOK OF DATA	Latest Ed. ISBN: 0-582-35448-X
STANLEY THORNES	RAMSDEN, E.N.	A-LEVEL CHEMISTRY: PAPER BACK	Latest Ed. ISBN-13: 978-0748752997

RECOMMENDED

FREEMAN, NEW YORK	JONES, L., & ATKINS, P	CHEMISTRY: MOLECULES, MATTER & CHANGE	4 TH Ed. 2000 Or Latest ISBN-13: 978-0716735953
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CHEM1110 - Introduction to Organic Chemistry REQUIRED

PRENTICE HALL INTL.	WADE, L.G.	ORGANIC CHEMISTRY	6 TH Ed. Or Latest ISBN-13: 978-0321971371
PEARSON PRENTICE HALL	WADE, L.G. & SIMEK, J.W.	ORGANIC CHEMISTRY SOLUTIONS MANUAL	6 TH Ed. ISBN-13: 978-0134160375

RECOMMENDED

WILEY	KLEIN, D.R.	ORGANIC CHEMISTRY AS A SECOND LANGUAGE: FIRST SEMESTER TOPICS	4 TH Ed. Or Latest ISBN-13: 978-1119110668
WILEY	KLEIN, D.R.	ORGANIC CHEMISTRY AS A SECOND LANGUAGE: SECOND SEMESTER TOPICS	4 TH Ed. Or Latest ISBN-13: 978-1119110651

CHEM1120 - Introduction to Physical Chemistry REQUIRED

OXFORD	ATKINS, P.W. & de PAULA, J	ELEMENTS OF PHYSICAL CHEMISTRY	3 RD Ed. Or Latest ISBN-13: 978-0198796701
	SIVIA, D.S. & RAWLINGS, S.G.	FOUNDATIONS OF SCIENCE MATHEMATICS	1 ST Ed. Or Latest ISBN-13: 978-0198504283

RECOMMENDED

PEARSON EDUCATION LTD.	NOGGLE, J.	PHYSICAL CHEMISTRY	Latest Ed. ISBN-13: 978-0673523419
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**CHEM1125 - Introduction to Experimental Chemistry
REQUIRED**

LONGMAN	ELLIS, H.	BOOK OF DATA	Latest Ed. ISBN-13: 978-0582354487
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RECOMMENDED

W.H. FREEMAN & COMPANY	HARRIS, DANIEL C.	QUANTITATIVE CHEMICAL ANALYSIS	9 TH Ed. Or Latest ISBN-13: 978-1464135385
OXFORD	SIVIA, D.S. & RAWLINGS, S.G.	FOUNDATIONS OF SCIENCE MATHEMATICS	1 ST Ed. Or Latest ISBN-13: 978-0198504283

**CHEM1130 - Introduction to Inorganic Chemistry
REQUIRED**

CARIBBEAN SHARED EDUCATIONAL RESOURCE SERVICES	MEEK, T.L.	AN INTRODUCTION TO SPECTROSCOPY, ATOMIC STRUCTURE AND CHEMICAL BONDING	2 ND Ed. ISBN: 978-89768265029 ISBN: 978- 9768265036 (e-book)
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RECOMMENDED

PRENTICE HALL	MCKAY, K., MCKAY A. & HENDERSON	INTRODUCTION TO MODERN INORGANIC CHEMISTRY	Latest Ed. (P.B.) ISBN-13: 978-1138435476
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**CHEM2513 - Fundamentals of Teaching Chemistry
REQUIRED**

ASSOCIATION FOR SUPERVISION & CURRICULUM DEVELOPMENT	PITLER, H. & STONE, B. J.	A HANDBOOK FOR CLASSROOM INSTRUCTION THAT WORKS	Latest Edition ISBN: 978-1416614685
ERDISTON TEACHING TRAINING COLLEGE	BEST, T., MOORE, M. & BROWNE, D.	A GUIDE FOR PLANNING INSTRUCTION FOR TEACHERS AT THE SECONDARY LEVEL	Latest Edition

RECOMMENDED

PEARSON	BYBEE, R., CARLSON- POWELL, J. & TROWBRIDGE, L	TEACHING SECONDARY SCHOOL SCIENCE: STRATEGIES FOR DEVELOPING SCIENTIFIC LITERACY	2 nd Edition Or Latest ISBN: 978-0132304504
PEARSON	CHIAPETTA, E. L. & KOABELLA, T. R.	SCIENCE INSTRUCTION IN THE MIDDLE AND SECONDARY SCHOOLS - DEVELOPING FUNDAMENTAL KNOWLEDGE AND SKILLS FOR TEACHING	6 TH Ed. Or Latest ISBN: 978-0133773064
PEARSON	MARTIN, R., SEXTON, C., FRANKLIN, T.,	TEACHING SCIENCE FOR ALL CHILDREN PRINCIPLES & TECHNIQUES (WITH MYEDUCATIONALLAB)	5 TH Ed. Or Latest ISBN: 978-0205643141
ASSOCIATION FOR SUPERVISION & CURRICULUM DEVELOPMENT	DEAN, C. B., HUBBELL, E. R., PITLER, H. & STONE, B. J.	CLASSROOM INSTRUCTION THAT WORKS: RESEARCH-BASED STRATEGIES FOR INCREASING STUDENT ACHIEVEMENT	2 nd Ed. Or Latest ISBN: 978-1416613626
PEARSON	BORICH, G.	EFFECTIVE TEACHING METHODS	9 th ed. Or Latest ISBN: 978-0134054872 (e-text)

**CHEM2700 - Intermediate Inorganic Chemistry
REQUIRED**

WILEY COTTON, F.A.;
WILKINSON, G.I & GANS, P.L. BASIC INORGANIC CHEMISTRY 3RD Ed. Or Latest (P.B.) ISBN-13: 978-8126511143

RECOMMENDED

OXFORD UNIVERSITY PRESS NORMAN, N. C.; PERIODICITY AND THE s-AND p-BLOCK ELEMENTS 1997 ISBN-13: 978-0198559610

**CHEM2705 - Intermediate Organic Chemistry
REQUIRED**

PRENTICE HALL INTL WADE, L.G., SIMEK, J. W ORGANIC CHEMISTRY 6TH Ed. Or Latest ISBN-13: 978-0321971371

RECOMMENDED

FREEMAN & CO LTD VOLLHARDT, K. P. C.; SCHORE N. E ORGANIC CHEMISTRY: STRUCTURE AND FUNCTION 7th Ed. (2014) ISBN-13: 978-1464120275

WILEY KLEIN, D.R. ORGANIC CHEMISTRY AS A SECOND LANGUAGE: FIRST SEMESTER TOPICS 4th Ed. (2016) ISBN:978-1119110668

WILEY KLEIN, D.R. ORGANIC CHEMISTRY AS A SECOND LANGUAGE: SECOND SEMESTER TOPICS 4th Ed. (2016) ISBN:978-1119110651

**CHEM2710 - Intermediate Physical Chemistry
REQUIRED**

OXFORD ATKINS, P.W., DE PAULA, J. & KEELER, J. PHYSICAL CHEMISTRY 11th Ed. (2018) ISBN 13: 978-0198769866

RECOMMENDED

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

CHEM2715 - Laboratory Methods in Chemistry I

REQUIRED

HOUGHTON MIFFLIN	WILLIAMSON, K.L. & MASTERS, K.M.	MACROSCALE & MICROSCALE ORGANIC EXPERIMENTS	7 th Ed. Or Latest ISBN-13: 978-1305577190
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RECOMMENDED

VCH	WOOLINS, J.D.	INORGANIC EXPERIMENTS	3 rd Ed. Or Latest ISBN-13: 978-3527324729
DOVER PUBLICATIONS:	HARRIS, D. C.; BERTOLUCCI, M. D.	SYMMETRY AND SPECTROSCOPY: AN INTRODUCTION TO VIBRATIONAL AND ELECTRONIC SPECTROSCOPY;	1989 ISBN-13: 978-0486661445
BUTTERWORTH-HEINEMANN: OXFORD	EARNSHAW, A.; GREENWOOD, N.;	CHEMISTRY OF THE ELEMENTS	2 ND Ed. Or Latest ISBN-13: 978-0750633659
PRENTICE HALL: NEW JERSEY	VOGEL, A. I.; FURNISS, B. S.; HANNAFORD, A. J.; SMITH, P. W. G.; TATCHELL, A. R.	VOGEL'S TEXTBOOK OF PRACTICAL ORGANIC CHEMISTRY	1996 ISBN-13: 978-0582462366
H. FREEMAN & CO. LTD.	MOHRIG, J.	EXPERIMENTAL ORGANIC CHEMISTRY: MOLECULES	3 RD ED. (1997) ISBN: 0-7167-2818-4
WILEY-INTERSCIENCE: NEW JERSEY	SLOAN, T. E.	INORGANIC SYNTHESSES, COLLECTIVE INDEX FOR VOLUMES 1- 36	1996-2014
UNIVERSITY SCIENCE BOOKS: VIRGINIA;	GIROLAMI, G. S.; RAUCHFUSS, T. B.; ANGELICI	SYNTHESIS AND TECHNIQUE IN INORGANIC CHEMISTRY: A LABORATORY MANUAL	1999 ISBN 13: 978-0935702484
PEARSON PRENTICE HALL	WADE, L. G.	ORGANIC CHEMISTRY	6 TH Ed. Or Latest ISBN-13: 978-0321971371

CHEM2720 - Laboratory Methods in Chemistry II

REQUIRED

MCGRAW-HILL SCIENCE/ENGINEERING/MATH	SHOEMAKER, D.P., GARLAND, C.W. & NIBLER, J.W.	EXPERIMENTS IN PHYSICAL CHEMISTRY	2011 ISBN-13: 978-0072828429
W.H. FREEMAN & COMPANY	HARRIS, DANIEL C.	QUANTITATIVE CHEMICAL ANALYSIS	9 TH Ed. Or Latest ISBN-13: 978-1464135385
CENGAGE LEARNING	SKOOG, D. A., WEST, D. M., HOLLER, F. J., CROUCH, S. R.,	FUNDAMENTALS OF ANALYTICAL CHEMISTRY	2013 ISBN-13: 978-0495558286
RSC PUBLISHING	RADOJEVIC, M, BASHKIN, V. N.,	PRACTICAL ENVIRONMENTAL ANALYSIS	2015 ISBN-13: 978-0854046799

CHEM2725 - Chemistry of the Environment
RECOMMENDED

BLACKWELL PUBLISHING	ANDREWS, J. E., BRIMBLECOMBE, P., JICKELLS, T. D., LISS, P. S., REID, B. J.	AN INTRODUCTION TO ENVIRONMENTAL CHEMISTRY	2 nd Ed.(2013) ISBN 13: 978-063205905-8
WILEY	WILLIAMS, I.	ENVIRONMENTAL CHEMISTRY	2001 ISBN 13: 9780471-48942-9
W H FREEMAN	BAIRD, C.; CANN	ENVIRONMENTAL CHEMISTRY	2012 ISBN-13: 978-1429277044
OXFORD UNIVERSITY PRESS	VANLOON, G. W.; DUFFY, S. J.	ENVIRONMENTAL CHEMISTRY: A GLOBAL PERSPECTIVE;	3 RD Ed. (2010) ISBN 13: 9780199228867
PRENTICE HALL	SPIRO, T. G.; STIGLIANI, W. M.	CHEMISTRY OF THE ENVIRONMENT	3RD Ed. (2011) ISBN 13: 9781891389-70-2
CRC PRESS	MANAHAN, S.	ENVIRONMENTAL CHEMISTRY	10 th Ed. (2017) ISBN 13: 9781498776936

CHEM2730 - Quantitative Chemical Analysis
REQUIRED

W.H. FREEMAN & CO.	HARRIS, DANIEL C	QUANTITATIVE CHEMICAL ANALYSIS	9 TH Ed. (2016) ISBN-13:978-1464135385
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PRENTICE HALL (PEARSON PUBLISHING)	HAGE, DAVID S. & CARR, JAMES D.	ANALYTICAL CHEMISTRY & QUANTITATIVE ANALYSIS (2010)	1 ST Ed. Or Latest ISBN-13: 978-0321596949
PRENTICE HALL	MILLER, J. C. & MILLER, J. N	STATISTICS AND CHEMOMETRICS FOR ANALYTICAL CHEMISTRY	6 th Ed. (2011) ISBN-13: 978-0273730422

**CHEM3167 - Advanced Inorganic Chemistry
REQUIRED**

PEARSON	MESSLER, G. L., FISCHER, P. J. & TARR, D. A.	INORGANIC CHEMISTRY	5 th ed. Or Latest ISBN: 978-0321811059
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OXFORD UNIVERSITY PRESS	BRISDON, A. K.	INORGANIC SPECTROSCOPIC METHODS	1 st Ed. Or Latest ISBN: 978-0198559498
WILEY	KETTLE, S. F. A.	SYMMETRY AND STRUCTURE: READABLE GROUP THEORY FOR CHEMISTS	3 rd Ed. Or Latest ISBN: 978-0470060407
WILEY	VINCENT, A.	MOLECULAR SYMMETRY AND GROUP THEORY: A PROGRAMMED INTRODUCTION TO CHEMICAL APPLICATIONS	2 nd Ed. Or Latest ISBN: 978-0471489382 (e-text)
WILEY	RANKIN, D. W. H., MITZEL, N. & MORRISON, C.	STRUCTURAL METHODS IN MOLECULAR INORGANIC CHEMISTRY	1 st ed. Or Latest ISBN: 978-0470972793 (e-text)
OXFORD UNIVERSITY PRESS	SPESSARD, G. O. & MESSLER, G. L.	ORGANOMETALLIC CHEMISTRY	3 rd Ed. Or Latest ISBN: 978-0199342679
PRENTICE HALL	HUHEEY, J. E., KEITER, E. A. & KEITER, R. L.	INORGANIC CHEMISTRY: PRINCIPLES OF STRUCTURE AND REACTIVITY	4 th Ed. Or Latest ISBN: 978-0060429959

**CHEM3175 - Advanced Organic Chemistry
REQUIRED**

OXFORD UNIVERSITY PRESS	MOODY, C. J. & WHITMAN, G. H.	REACTIVE INTERMEDIATES	1 st ed. Or Latest ISBN: 978-0198556725
WILEY	WARREN, S.	ORGANIC SYNTHESIS, THE DISCONNECTION APPROACH	2 nd Ed. Or Latest Ed. ISBN: 978-0470712375 (e-text)
WILEY-INTERSCIENCE	WUTS, P. G. M. & GREENE, T. W.	PROTECTIVE GROUPS IN ORGANIC CHEMISTRY	5 th Ed. Or Latest Ed. ISBN: 978-1118057483 (e-text)
OXFORD UNIVERSITY PRESS	FLEMING, I.	PERICYCLIC REACTIONS	2 nd Ed. Or Latest Ed. ISBN: 978-0199680900

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PRENTICE HALL	MACKIE, R. K., SMITH, D. M. & AITKEN, R. A.	GUIDEBOOK TO ORGANIC SYNTHESIS	3 rd Ed. Or Latest Ed. ISBN: 978-0582290938
SPRINGER	GROSSMAN, R. B.	THE ART OF WRITING REASONABLE ORGANIC REACTION MECHANISMS	Latest Ed. ISBN: 978-1441930163

CHEM3218 - Environmental Chemistry and Toxicology

RECOMMENDED

JONES AND BARTLETT LEARNING	GIRARD, J. E.	PRINCIPLES OF ENVIRONMENTAL CHEMISTRY	3 rd ed. Or Latest Ed. ISBN: 978-1449693527
INFORMA HEALTHCARE	TIMBRELL, J.	INTRODUCTION TO TOXICOLOGY	3 rd Ed. Or Latest Ed. ISBN: 978-0415247634
W. H. FREEMAN CRC PRESS	BAIRD, C. & CANN, M. MANAHAN, S.	ENVIRONMENTAL CHEMISTRY ENVIRONMENTAL GHEMISTRY	3 rd Ed. Or Latest ISBN: 978-1429277044 8 th Ed. Or Latest ISBN: 978-1420059205

CHEM3620 - Advanced Physical Chemistry

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OXFORD	ATKINS, P.W. & DE PAULA, J.	PHYSICAL CHEMISTRY	10th Or Latest Ed. ISBN: 978-0199697403
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OXFORD UNIVERSITY PRESS	MACZEK, A. & MEIJER, A.	STATISTICAL THERMODYNAMICS	2 nd Ed. Or Latest Ed. ISBN: 978-0198777489
PRENTICE HALL	LAIDLER, K.J. AVERY, H.E.	CHEMICAL KINETICS BASIC REACTION KINETICS AND MECHANISMS	3 rd Ed. Or Latest Ed. ISBN: 978-8131709726 Latest Ed. ISBN: 978-0333153819

CHEM3625 - Laboratory Methods in Chemistry III

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BUTTERWORTH- HEINEMANN: OXFORD	EARNSHAW, A.; GREENWOOD, N.;	CHEMISTRY OF THE ELEMENTS	2 ND Ed. Or Latest ISBN-13: 978-0750633659
H. FREEMAN & CO. LTD.	HAMMOND, C. N., MORRILL, T. C., NECKERS, D. C. & MOHRIG, J.	EXPERIMENTAL ORGANIC CHEMISTRY: A BALANCED APPROACH	3 RD Ed. Or Latest ISBN: 978-0716728184
UNIVERSITY SCIENCE BOOKS: VIRGINIA;	GIROLAMI, G. S.; RAUCHFUSS, T. B.; ANGELICI	SYNTHESIS AND TECHNIQUE IN INORGANIC CHEMISTRY: A LABORATORY MANUAL	3 rd Ed. Or Latest ISBN: 978-0935702484
PRENTICE HALL	DEAN, J., HOLMES, D., JONES, A. M., JONES, A., REED, R. & WEYERS, J.		2 nd ed. Or Latest Ed. ISBN: 978-0273731184
WILEY-VCH	WOOLLINS, J. D.	PRACTICAL SKILLS IN CHEMISTRY	3 rd Ed. Or Latest Ed. ISBN: 978-3527324729
CENGAGE LEARNING	WILLIAMSON, K. L. & MASTERS, K. M.	INORGANIC EXPERIMENTS	7 th Ed. Or Latest Ed. ISBN: 978-1305577190
JOHN WILEY & SONS	REEVE, R. N. & BARNES, J. D.	ENVIRONMENTAL ANALYSIS (ANALYTICAL CHEMISTRY BY OPEN LEARNING)	1st Ed. Or Latest Ed. ISBN: 978-0471938330
MCGRAW HILL SCIENCE	GARLAND, C. W., NIBLER, J. W. & SHOEMAKER, D. P.	EXPERIMENTS IN PHYSICAL CHEMISTRY	6 th ed. Or Latest Ed. ISBN: 978-0073657981

CHEM3630 - Methods in Instrumental Analysis

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CENGAGE LEARNING	SKOOG, D. A., HOLLAR, F. J., & CROUCH, S. R.	PRINCIPLES OF INSTRUMENTAL ANALYSIS	7th Ed. ISBN: 978-1305577213

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PRENTICE HALL (PEARSON PUBLISHING)	HAGE, DAVID S. & CARR, JAMES D.	ANALYTICAL CHEMISTRY & QUANTITATIVE ANALYSIS (2010)	1 ST Ed. Or Latest ISBN-13: 978-0321596949

CHEM3635 - Biological Inorganic Chemistry

REQUIRED

ELSEVIER	CRICHTON, R. R.	BIOLOGICAL INORGANIC CHEMISTRY: A NEW INTRODUCTION TO MOLECULAR STRUCTURE AND FUNCTION	1 st ed. Or Latest Ed. ISBN: 978-0444527400
WOODHEAD PUBLISHING CAMBRIDGE	BURGESS, J.	IONS IN SOLUTION: BASIC PRINCIPLES OF CHEMICAL INTERACTIONS	1 st OR Latest Ed. ISBN: 978-1898563501

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ELLIS HORWOOD LIMITED	KENDRICK, M. J., MAY, M. T., PLISHKA, M. J. & ROBINSON, K. D.	METALS IN BIOLOGICAL SYSTEMS (e-text)	Latest Ed. ISBN: 978-0135777275
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CHEM3800 - Nanostructures and Supramolecular Chemistry

RECOMMENDED

WILEY-VCH	STEED, J. W., TURNER, D. R. & WALLACE, K.	CORE CONCEPTS IN SUPRAMOLECULAR CHEMISTRY AND NANOCHEMISTRY (OXFORD CHEMISTRY PRIMERS)	1 st Ed. Or Latest ISBN-13: 978-0470858677
WILEY	STEED, J. W. & ATWOOD, J. L.	SUPRAMOLECULAR CHEMISTRY	2 ND Ed. Or Latest ISBN: 978-0470512333

CHEM3992 - Special Topics in Physical Chemistry

REQUIRED

OXFORD UNIVERSITY PRESS	PAULA, J.	ATKINS' PHYSICAL CHEMISTRY	10 th Or Latest Ed. ISBN: 978-0199697403
MCGRAW-HILL COLLEGE	BANWELL, C. N. & MCCASH, E. M.	FUNDAMENTALS OF MOLECULAR SPECTROSCOPY	4 th Ed. Or Latest ISBN: 978-9352601738

CHEM3950 - Basic Project in Chemistry

AMERICAN CHEMICAL SOCIETY COGHILL, A. M. &
GARSON, L. R.

THE ACS STYLE GUIDE

3rd ed. Or Latest Ed. ISBN: 978-0841239999

CHEM3955 - Research Project in Chemistry

AMERICAN CHEMICAL SOCIETY COGHILL, A. M. &
GARSON, L. R.

THE ACS STYLE GUIDE

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