

# SUMMER 2015 TEXTBOOK LIST

Course	Title	Required Textbook ( <i>optional textbooks indicated by *</i> )
EECS 1020 3.00 A	Introduction to Computer Science I	<u>Java by Abstraction</u> , 4 <sup>th</sup> Ed. by Hamzeh Roumani ISBN: 9781269950305 (Pearson)
EECS 1520 3.00 A	Computer Use: Fundamentals	<u>Computer Science Illuminated</u> , 5 <sup>th</sup> Ed. by Nell Dale and John Lewis ISBN: 9781449672843 (Jones and Bartlett)
EECS 2001 3.00 E	Introduction to the Theory of Computation	<u>Introduction to the Theory of Computation</u> , 3 <sup>rd</sup> Ed. by Michael Sipser ISBN: 9781133187790 (Course Technology)
EECS 2011 3.00 A	Fundamentals of Data Structures	<u>Data Structures and Algorithms in Java</u> , 6 <sup>th</sup> Ed. by Michael T. Goodrich et al. ISBN: 9781118771334 (Wiley) <b>*optional text*</b>
EECS 2021 4.00 E	Computer Organization	<u>Computer Organization and Design: The Hardware/Software Interface</u> , 5 <sup>th</sup> Ed. by David A. Patterson and J. Hennessy ISBN: 9780124077263 (Morgan Kaufmann)
EECS 2031 3.00 M	Software Tools	<u>The C Programming Language</u> , 2 <sup>nd</sup> Ed. by Brian W. Kernighan and Dennis M. Ritchie ISBN: 0131103628 (Prentice Hall)
EECS 3101 3.00 E	Design and Analysis of Algorithms	<u>How to Think About Algorithms</u> by Jeff Edmonds ISBN: 9780521614108 (MIT Press) <b>*optional text*</b>
EECS 3221 3.00 A	Operating System Fundamentals	<u>Operating System Concepts</u> , 9 <sup>th</sup> Ed. by Abraham Silberschatz et al. ISBN: 9781118063330 (Wiley)
EECS 3311 3.00 A	Software Design	<u>Object Oriented Software Construction</u> , 2 <sup>nd</sup> Ed. by Bertrand Meyer ISBN: 9780136291558 (Pearson) <b>*optional text*</b> <u>Design Patterns: Elements of Reusable Object-Oriented Software</u> by Erich Gamma et al. ISBN: 9780201633610 (Addison-Wesley) <b>*optional text*</b>
EECS 3421 3.00	Introduction to Database Systems	<u>Database Management Systems</u> , 3 <sup>rd</sup> , Ed. by Ramakrishnan and Gehrke ISBN: 9780072465631 (McGraw Hill)