

BOOK LIST SPRING 2025

COURSE	BOOK TITLE & ISBN	INSTRUCTOR
CSD1130	<p>Recommended:</p> <p>AI for games by Ian Millington ISBN-13: 978-1-003-12404-7 Available online from SIT Library: EBSCO ebook</p> <p>Real-time collision detection by Christer Ericson ISBN-10: 1558607323 ISBN-13: 978-1558607323 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p>	Elie Hosry / Soroor Faradounbeh
CSD1251	<p>Recommended:</p> <p>Calculus : early transcendentals, Metric version, 9th edition by James Stewart, Daniel Clegg, and Saleem Watson ISBN-10: 0-357-11351-9 ISBN-13: 978-0-357-11351-6 Available online from SIT Library: ProQuest Ebook Central</p> <p>Calculus : early vectors by James Stewart ISBN-10: 0534493483 ISBN-13: 978-0534493486</p>	Ronald Koh
CSD1171	<p>Required:</p> <p>C++ primer, 5th edition by Stanley B. Lippman, Jose Lajoie, and Barbara E. Moo ISBN-10: 0321714113 ISBN-13: 978-0321714114 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p>	Prasanna Ghali
CSD2151 / CSD2150	<p>Recommended:</p> <p>OpenGL 4 shading language cookbook, 3rd edition by David Wolff ISBN: 978-1-78934-225-3 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p>	Vadim Surov

	<p>OpenGL superbible : comprehensive tutorial and reference, 7th edition by Graham Sellers, Richard S Wright Jr., and Nicholas Haemel ISBN-10: 0672337479 ISBN-13: 978-0672337475 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p>	
CSD2161 / CSD2160	<p>Required:</p> <p>Computer networking : a top-down approach, 8th edition, Global edition by James Kurose and Keith Ross ISBN-10: 1292405465 ISBN-13: 9781292405469 Available online from SIT Library: VitalSource eTextbooks (Pearson)</p> <p>Recommended:</p> <p>Computer networks, 5th edition by Andrew S. Tanenbaum and David J. Wetherall ISBN-10: 0132126958 ISBN-13: 978-0132126953 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p>	Tang Liang
CSD2259	<p>Required:</p> <p>Discrete mathematics and its applications, 8th edition, Global edition by Kenneth H. Rosen ISBN-13: 9781260091991 Available online from SIT Library: VitalSource eTextbooks (McGraw-Hill)</p>	Do Duc Tai
CSD2301	<p>Recommended:</p> <p>University physics with modern physics, 15th edition by Hugh D. Young and Roger A. Freedman ISBN-10: 1292314737 ISBN-13: 978-1292314730 Available online from SIT Library: ProQuest Ebook Central</p> <p>Physics : principles with applications, 7th edition, Global edition by Douglas C. Giancoli ISBN-10: 1292057122 ISBN-13: 9781292057125 Available online from SIT Library: EBSCO eBook</p>	Lin Qinjie

CSD3126 / CSD3125	<p>Recommended:</p> <p>Universal principles of design by William Lidwell, Kritina Holden, and Jill Butler ISBN: 978-1-61058-065-6 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education and EBSCO eBook</p> <p>The design of everyday things by Don Norman ISBN: 978-0-465-00394-5 Available online from SIT Library: ProQuest Ebook Central</p>	John Quick
CSD3186 / CSD3185	<p>Recommended:</p> <p>An introduction to statistical learning with applications in Python by Gareth James, Daniela Witten, Trevor Hastie, Robert Tibshirani, and Jonathan Taylor ISBN-10: 3031387465 ISBN-13: 978-3031387463</p> <p>Numerical machine learning by Zhiyuan Wang, Sayed Ameenuddin Irfan, Christopher Teoh, and Priyanka Hriday Bhoyar ISBN-10 : 9815136992 ISBN-13 : 978-9815136999</p>	Priyanka Hriday Bhoyar
DAA1130	<p>Recommended:</p> <p>Drawing : a contemporary approach by Teel Sale and Claudia Bett.</p> <p>Drawing from observation by Brian Curtis.</p> <p>Sketch book for the artist by Sarah Simblet.</p> <p>Framed ink vol. 2 : frame format, energy, and composition for visual storytellers by Marcos Mateu-Mestre.</p> <p>Color and light : a guide for the realist painter by James Gurney.</p> <p>Framed drawing techniques : mastering ballpoint pen, graphite pencil, and digital tools for visual storytelling by Marcos Mateu-Mestre.</p> <p>The art spirit by Robert Henri.</p>	Don Low

	<p>Keys to drawing by Bert Dobson.</p> <p>Perspective made easy by Ernest R. Norling.</p> <p>Perspective drawing by Kenneth Auvil.</p> <p>Artist's manual : the complete guide to painting and drawing materials & techniques by Angela Gair.</p> <p>Drawing lessons from the great masters by Robert Beverly Hale.</p> <p>Available online from SIT Library: ProQuest Ebook Central.</p> <p>A guide to drawing by David L. Faber and Daniel M. Mendelowitz.</p> <p>How to render : the fundamentals of light, shadow, and reflectivity by Scott Robertson.</p>	
DAA1150	<p>Required:</p> <p>Human anatomy for artists : the elements of form by Eliot Goldfinger ISBN-10: 0195052064 ISBN-13: 978-0195052060</p> <p>Anatomy of movement by Blandine Calais-Germaine ISBN-10: 0939616572 ISBN-13: 978-0939616572</p>	Calvin Tan
DAA1151	<p>Recommended:</p> <p>Complete guide to life drawing by Gottfried Bammes ISBN-10: 1844486907 ISBN-13: 978-1844486908</p> <p>Figure drawing : design and invention by Michael Hampton ISBN-10: 0615272819 ISBN-13: 978-0615272818</p>	Dominic Chang
DAA2099	<p>Recommended:</p> <p>Find your why : a practical guide for discovering purpose for you and your team by Simon Sinek, David Mead, and Peter Docker ISBN-13: 978-0143111726</p>	Calvin Tan

	<p>Wooden on leadership : how to create a winning organization by John Wooden and Steve Jamison ISBN-10: 0071453393 ISBN-13: 978-0071453394 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p> <p>Multipliers, revised and updated : how the best leaders make everyone smarter by Liz Wiseman ISBN-13: 978-0062663078 Available online from SIT Library: ProQuest Ebook Central</p> <p>Failing forward : turning mistakes into stepping stones for success by John C. Maxwell ISBN-13: 978-0785288572</p> <p>Deep work : rules for focused success in a distracted world by Cal Newport ISBN-13: 978-0-349-41190-3</p> <p>So good they can't ignore you : why skills trump passion in the quest for work you love by Cal Newport ISBN-13: 978-1-45550-912-6</p>	
DAA2100	<p>Recommended:</p> <p>The invisible art : the legends of movie matte painting by Mark Cotta Vaz and Craig Barron.</p> <p>Sketchbook : composition studies for film by Hans P Bacher.</p> <p>Color and light : a guide for the realist painter by James Gurney.</p> <p>Imaginative realism : how to paint what doesn't exist by James Gurney.</p> <p>LA/SF : a sketchbook from California by Christian Schellewald.</p> <p>Picture this : perception and composition by Molly Bang.</p> <p>Visual intelligence : how we create what we see by Donald D. Hoffman.</p>	Don Low

	<p>The visual story : creating the visual structure of film, TV, and digital media by Bruce Block. Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p> <p>Dream worlds : production design for animation by Hans Bacher. Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p> <p>Mastering composition : techniques and principles to dramatically improve your painting by Ian Roberts.</p> <p>Vision : color and composition for film by Hans Bacher.</p> <p>Framed perspective Vol. 1 & Vol. 2 by Marcos Mateu-Mestre.</p> <p>How to draw : drawing and sketching objects and environments from your imagination by Scott Robertson.</p>	
DAA3720	<p>Recommended:</p> <p>Precalculus by Jay Abramson Available online from SIT Library, open access: OpenStax College</p> <p>Basic math for game development with Unity 3D, 2nd edition by Kelvin Sung and Gregory Smith Available online from SIT Library: O'Reilly's Learning Platform for Higher Education ISBN: 978-1-4842-9885-5</p>	Rosa Anajao
MET1301	<p>Required:</p> <p>Code : the hidden language of computer hardware and software, 2nd edition by Charles Petzold ISBN-10: 0-13-790910-1 ISBN-13: 978-0-13-790910-0 Available online from SIT Library: O'Reilly Learning Platform for Higher Education</p> <p>Recommended:</p> <p>Embedded systems with ARM Cortex-M microcontrollers in assembly language and C, 4th edition by Yifeng Zhu ISBN-10: 0982692676 ISBN-13: 978-0982692677</p>	Tang Liang

	<p>ARM assembly language : fundamentals and techniques, 2nd edition by William Hohl and Christopher Hinds ISBN: 978-1-4822-2985-1 Available from SIT Library: O'Reilly Learning Platform for Higher Education</p>	
MET1501	<p>Required:</p> <p>Programming in C, 4th edition by Stephen Kochan ISBN-10: 0321776410 ISBN-13: 9780321776419 Available online from SIT Library: O'Reilly's Learning Platform for Higher Education</p>	Jeremy Chew
MET2303	<p>Required:</p> <p>Electric circuits, 11th edition, Global edition by James W. Nilsson and Susan A. Riedel ISBN-10: 1-292-26104-8 ISBN-13: 978-1-292-26104-1 Available online from SIT Library: ProQuest Ebook Central</p>	Fong Foo Hoong
SEM4405	<p>Required:</p> <p>Introduction to autonomous mobile robots, 2nd edition by Roland Siegwart, I.R. Nourbakhsh, and D. Scaramuzza ISBN-13: 978-0262015356 Available online from SIT Library: ProQuest Ebook Central</p> <p>Robotics, vision and control : fundamental algorithms in MATLAB, 3rd edition by Peter Corke, Witold Jachimczyk, and Remo Pillat ISBN-13: 9783031072611 Available online from SIT Library: SpringerLink eBooks</p> <p>Recommended:</p> <p>Introduction to robotics : mechanics and control, 4th edition by John J. Craig ISBN-13: 978-0133489798</p> <p>Mobile robotics : mathematics, models, and methods by Alonzo Kelly ISBN-13: 978-1107031159</p> <p>Embedded robotics : mobile robot design and applications with embedded systems, 3rd edition</p>	Liaw Hwee Choo

	<p>by Thomas Bräunl ISBN-13: 978-3540705338 Available online from SIT Library: ProQuest Ebook Central</p> <p>An introduction to AI robotics by Robin R. Murphy ISBN-13: 978-0262133838</p> <p>Robotics : basic analysis and design by William A. Wolovich ISBN-13: 978-0030061196</p>	
UXG1616	<p>Required:</p> <p>The art & craft of storytelling by Nancy Lamb.</p> <p>Recommended:</p> <p>Short story : an introduction by Paul March-Russell.</p> <p>Interactive storytelling : techniques for 21st century fiction by Andrew Glassner. Available online from SIT Library: ProQuest Ebook Central</p> <p>Story : substance, structure, style and the principles of screenwriting by Robert McKee.</p> <p>The hero with a thousand faces by Joseph Campbell. Available online from SIT Library: EBSCO</p> <p>The writer's journey : mythic structure for writers by Christopher Vogler.</p> <p>Beowulf (modern English translation) by Anonymous, Poetry Foundation.</p> <p>A practical guide to the hero with a thousand faces by Chris Vogler.</p> <p>The Mahabharata : a shortened modern prose version of the Indian epic by R.K. Narayan.</p>	Shanthina Ravindran