

list of courses taken

Nasser M. Abbasi

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Chapter 1

All courses in table format
arranged chronologically

No.	University	Dept.	Course name	Textbook	Date	Instructor
124	University of Wisconsin, Madison	Engineering Physics	EP 548 Engineering Analysis II TuTh 11:00AM - 12:15PM VAN VLECK B341 Finals 05/11/2017 10:05AM 12:05PM	Advanced Mathematical Methods for Scientists and Engineers I, Bender and Orszag Applied Partial Differential Equations, Haberman	Spring 2017	Leslie Smith

123	University of Wisconsin, Madison	Mathematics	Math 320 Linear algebra and differential equations Meets TuTh 9:30AM - 10:45AM VAN VLECK B239 Finals: 05/07/2017 7:25PM - 9:25PM	Differential Equations and Linear Algebra by Edwards and Penney	Spring 2017	Leslie Smith
122	University of Wisconsin, Madison	Mathematics	Math 322 Applied Mathematical Analysis Meets MWF, 12:05-12:55 Van Hise 115 Finals: Sat dec 17, 5:05 PM to 7:05 PM.	Applied Partial Differential Equations with Fourier Series and Boundary Value Problems, 5th ed. Richard Haberman	Fall 2016	Leslie Smith

121	University of Wisconsin, Madison	Mathematics	Math 319: Techniques in Ordinary Differential Equations Meets MoWeFr 2:25PM - 3:15PM, VAN VLECK B239 Finals: Dec 22, 2016 12:25 PM-2:25 PM	Elementary Differential Equations, 9th ed by William E. Boyce, Richard C. DiPrima	Fall 2016	Minh-Binh Tran
120	University of Wisconsin, Madison	Electrical Engineering	ECE 719, Optimal systems Meets TuTh 9:30AM - 10:45AM, ENGR HALL 3418 Finals: May 5 2016, 9:30 AM	Class notes	Spring 2016	Barmish, B R.
119	University of Wisconsin, Madison	Engineering Mechanics	EMA 471 Intermediate Problem Solving for Engineers TuTh 8:00AM - 9:15AM ENGR HALL 2261 Finals, 05/12/2016 7:45AM - 9:45AM	class notes	Spring 2016	Robert J. Witt

118	University of Wisconsin, Madison	Electrical Engineering	ECE 332, feedback control Meets TuTh 9:30AM - 10:45AM, ENGR HALL 3418 Finals: 12/10/2015, 9:30 AM	Class notes	Fall 2015	B R. Barmish
117	University of Wisconsin, Madison	Physics	Physics 311 (Mechanics) Meets MWF 11:00AM - 11:50AM, VAN HISE 494 Discussion Th 1:20PM - 2:10PM CHAMBERLIN 2108 Discussion Th 2:25PM - 3:15PM, VAN VLECK B235 Finals, 12/17/2015 5:05PM	S.T. Thornton, J.B. Marion, Classical Dynamics of Particles and Systems, 5th Edition, Brooks/Cole, 2004, ISBN 0534408966	Fall 2015	Stefan Westhoff

116	University of Wisconsin, Madison	Mechanical Engineering	ECE/ME 739, Introduction to Robotics	Robot Modeling and Control, by Spong, Hutchinson, and Vidyasagar ISBN ISBN 0-471-64990-2	Spring 2015	Michael Zinn
115	University of Wisconsin, Madison	Mathematics	Math 703 methods of applied mathematics I Lectures Mu,Thu 11:00AM - 12:15PM VAN VLECK B139. Final exam	Introduction to Applied Mathematics, ISBN 0961408804 by Gilbert Strang	Fall 2014	Gheorghe Craciun
114	University of Wisconsin, Madison	EE	ECE 717 Linear systems Lectures TuTh 2:30PM - 3:45PM ENG HALL 3444. Final exam 12/18/2014 10:05AM	Linear System Theory (second edition) ISBN 0134412052 by W.J. Rugh	Fall 2014	B.R. Barmish
113	University of Wisconsin, Madison	Engineering Mechanics (EMA)	EMA 550 astrodynamics Lectures TuTh 2:30PM - 3:45PM ENGR HALL 2265 Final 05/15/2014 12:25PM 2:25PM	class notes	spring 2014	Suzannah Sandrik

112	University of Wisconsin, Madison	Engineering Mechanics (EMA)	EMA 523 flight dynamics and control Office hours: Tue, Thu, 11:00AM - 12:00PM Lectures Tu,Th 9:30AM - 10:45AM ENGR HALL 1209	Dynamics of flight, stability and control, 3rd ed Wiley, Etkin B. and Reid L.D. 1996.	spring 2014	Riccardo Bonazza
111	University of Wisconsin, Madison	Engineering Mechanics (EMA)	EMA 542 Advanced Dynamics M W F 9:55AM - 10:45AM ENGR HALL 2255 12/19/2013 12:25PM - 2:25PM	Engineering Dynamics by Ginsberg	Fall 2013	Daniel C. Kammer
110	University of Wisconsin, Madison	Engineering Physics (EP)	EP 547 Engineering analysis 1 M W F 11:00AM - 11:50AM ENGR HALL 2305 12/20/2013 10:05AM - 12:05PM	Advanced Engineering Mathematics, Peter V. O'Neil 6th ed	Fall 2013	Douglass L. Henderson
109	University of Wisconsin, Madison	Engineering Mechanics (EMA)	EMA 545 Engineering Vibration	Mechanical and Structural Vibration by Ginsberg	Spring 2013	Matt Allen

108	University of Wisconsin, Madison	Civil Engineering (CEE)	CEE 744 Structural Dynamics and Earthquake Engineering	Dynamics of Structures, Anil K. Chopra, Prentice-Hall	Spring 2013	Michael Oliva
107	University of California, Davis	Mechanical Engineering	EME 121 Engineering applications of dynamics	Engineering applications of dynamics by Karnopp and Margolis	Spring 2011	Donald Margolis
106	University of California, Davis	Math	Math 228B Numerical Solution of Differential Equations	Finite Difference Methods for Ordinary and Partial Differential Equations by Randall J. LeVeque	Winter 2011	Robert Guy
105	University of California, Davis	Math	Math 228A Numerical Solution of Differential Equations	Finite Difference Methods for Ordinary and Partial Differential Equations by Randall J. LeVeque	Fall 2010	Robert Guy
104	Cal Poly Pomona, California	EE	ECE 405 Communication systems	Modern digital and analog communication systems by Lathi	Summer session I 2010	James Kang
103	California state Univ. Fullerton	EE	EGEE 420 Digital filters	DIGITAL SIGNAL PROCESSING by OPPENHEIM	Spring 2010	Mostafa Shiva

102	California state Univ. Fullerton	EE	EGEE 409 Linear systems and signals	Signals and linear systems by Gabel and Roberts, 3rd ed	Spring 2010	Mohinder S. Grewal
101	California state Univ. Fullerton	Mechanical	EGME 511 Advanced Mechanical Vibration	Vibration with Control by Daniel Inman 2nd edition	Spring 2009	Sang June Oh
100	California state Univ. Fullerton	Mechanical	EGME 431 Mechanical Vibration	Engineering Vibration by Daniel Inman, 3rd edition	Spring 2009	Sang June Oh
99	California state Univ. Fullerton	Electrical	EGEE 518 Digital Signal Processing I	DIGITAL SIGNAL PROCESSING by OPPENHEIM	Fall 2008	Mostafa Shiva
98	California state Univ. Fullerton	Electrical	EGEE 443 Electronic Communication Systems	INTRODUCTION TO ANALOG and DIGITAL COMMUNICATIONS By HAYKIN	Fall 2008	Karim Hamidian
97	California state Univ. Fullerton	Mathematics	Math 597 B Finals Research On HYPR (Highly constrained back-Projection)	N/A	Summer 2008	A. R. Pineda

96	California state Univ. Fullerton	Mathematics	Math 597 A Finals Research On HYPR (Highly constrained back-Projection)	N/A	Summer 2008	W.B. Gearhart
95	California state Univ. Fullerton	Mathematics	Math 504 Simulation Modeling and Analysis	Lecture notes by Dr Gearhart. Reference book: Introduction to probability models by Sheldon Ross	Spring 2008	W.B. Gearhart
94	California state Univ. Fullerton	Mathematics	Math 502 Probability and Statistics	Mathematical statistics and data analysis 3rd edition. By John Rice	Fall 2007	Mori Jamshidian
93	California state Univ. Fullerton	Mathematics	Math 503 Mathematical Modeling	Applied Mathematics 3rd edition by David Logan	Summer 2007	W. B. Gearhart
92	California state Univ. Fullerton	Mathematics	Math 499 independent studies	N/A	Spring 2007	A. R. Pineda
91	California state Univ. Fullerton	Mathematics	Math 501 Numerical Analysis and computation	Numerical Analysis 3rd edition. by David R. Kincaid, E. Ward Cheney	Spring 2007	C. H. Lee

90	California state Univ. Fullerton	Mathematics	Math 307 Linear Algebra	Linear Algebra and its Applications 4th edition. By Gilbert Strang	Spring 2007	A. R. Pineda
89	Univ. Of California, Irvine	Civil Eng.	CE 247 Structural Dynamics	Structural Dynamics. 5th edition. Mario PAZ	Fall 2006	Maria Q. Feng
88	Univ. Of California, Irvine	Physics	PHY 100 Computational Methods in Physics using Mathematica	Instructor own Mathematica HandBook	Fall 2006	Peter Taborek
87	Univ. Of California, Irvine	Mechanical	MAE 299 research 1 unit	N/A	Spring 2006	A. Sideris
86	Univ. Of California, Irvine	Mechanical	MAE 207 Computational methods	Methods of computer modeling in engineering and the sciences. Vol 1. By S.N.Atluri	Fall 2006	S.N. Atluri
85	Univ. Of California, Irvine	Mechanical	MAE 244 Theoretical Kinematics	Introduction to theoretical kinematics, by J.M.McCarthy	Fall 2006	J.M. McCarthy

84	Univ. Of California, Irvine	Mechanical	MAE 295 Solid mechanics	Methods of computer modeling in engineering and the sciences. Vol 1. By S.N.Atluri	Winter 2006	S.N. Atluri
83	Univ. Of California, Irvine	Mechanical	MAE 200B Engineering Analysis II	Instructor notes	Winter 2006	Feng Liu
82	Univ. Of California, Irvine	Mechanical	MAE 270A Linear Systems 1	Instructor notes	Fall 2005	A. Sideris
81	Univ. Of California, Irvine	Mechanical	MAE 200A Engineering Analysis 1	Instructor notes	Fall 2005	K.D. Mease
80	Univ. Of California, Irvine	Mechanical	MAE 171 Digital Control	Digital Control System Analysis and Design. 3rd edition. By Charles Phillips and H. Troy Nagle	Spring 2005	A. Sideris
79	Univ. Of California, Irvine	Mechanical	MAE 170 Introduction to control systems	Modern control engineering, Ogata, 4th edition	Winter 2005	James Bobrow
78	Univ. Of California, Irvine	Mechanical	MAE 106 Mechanical Systems Lab	Modern control engineering, Ogata, 4th edition	Winter 2005	David J. Reinkensmeyer

77	Univ. Of California, Irvine	Electrical Eng.	EECS 207A Advanced Image processing	Algorithms for Image Processing and computer vision, J.R.Parker	Fall 2004	J. Meyer
76	Univ. Of California, Irvine	Electrical Eng.	EECS 152A Digital Signal processing	DSP by Proakis and Manolakis, 3rd edition	Fall 2004	Glenn Healey
75	Univ. Of California, Irvine	Electrical Eng.	EECS 203A Digital Image processing	Digital image processing, 2nd edition by Gonzales and Woods	Fall 2004	Glenn Healey
74	Univ. Of California, Irvine	Mechanical Eng.	MAE 91 Introduction To Thermodynamics	FUNDAMENTALS THERMODYNAMICS by SONNTAG	Summer 2004	Hong Zhou
73	Univ. Of California, Berkeley	Mathematics	MATH 121B Mathematical Tools for the Physical Sciences	MATHEMATICAL METHODS IN PHYSICAL SCI, BOAS. 2nd edition	Spring 2004	Richard E. Borcherds
72	Univ. Of California, Berkeley	Mathematics	MATH 121A Mathematical Tools for the Physical Sciences	MATHEMATICAL METHODS IN PHYSICAL SCI, BOAS. 2nd edition	Spring 2004	Fraydoun Rezakhanlou

71	Univ. Of California, Irvine	Physicss	Physics 7LD Classical Physics 7D Lab	Lab notes	Summer 2003	Roger D. McWilliams
70	Univ. Of California, Irvine	Physicss	Physics 7D Classical Physics	Physics. By Serway and Beichner	Summer 2003	Roger D. McWilliams
69	Univ. Of California, Irvine	Physicss	Physics 7E Classical Physics	Physics. By Serway and Beichner	Summer 2003	Roger D. McWilliams
68	Univ. Of California, Irvine	Mechanical	MAE 185 Ap- plied Numerical Analysis	Applied Numerical Analysis, C.F. Gerald and P.O. Wheatley, 5th Edition	March 2003	Maqsood Chaudhry
67	Univ. Of California, Irvine	Mechanics	MAE 146 As- tronautics	Fundamentals of Astrody- namics, R.R. Bate, D.D. Mueller, J.E. White, Dover	March 2003	Melissa Orme
66	Univ. Of California, Berkeley	Mathematics	Math 127 Mathematical and Com- putational Methods in Molecular Biology	Biological sequence analysis: probabilistic models of proteins and nucleic acids By Richard Durbin	Fall 2002	Lior Pachter

65	California State University San Jose	Physics	Physics 240 Computational Physics	Numerical Methods for Physics, 2nd Edition. A.L.Garcia	Fall 2002	Alejandro Garcia
64	Northeastern University	Electrical	ECE 3311 Software engineering 1		Fall 1993	David R. Kaeli
63	Northeastern University	Electrical	ECE 3341 Probability and stochastic processes		Fall 1993	Vinay K. Ingle
62	Northeastern University	Electrical	ECE 3325 Numerical software development methods	Numerical software, by Dr Nash. 1989	March 1993	Remmilard
61	Northeastern University	Electrical	ECE 3386 Characteristics and models of solid state devices I-B	semiconductor Device Physics and Technology, by S.M. Sze, John wiley and Sons, 1985	January 1993	Nagappan K. Annamalai
60	Northeastern University	Electrical	ECE 3342 Electromagnetic theory I-A	Time-Harmonic Electromagnetic Fields, by Roger F. Harrington	Fall 1992	Charles J. Drane

59	University of Massachusetts, Amherst	Electrical	ECE 580 Feedback control systems	Modern Control Engineering, by K. Ogata, 2nd edition, Prentice Hall, 1990	Summer 1992	Wei-Bo Gong
58	University of Massachusetts, Lowell	Mathematics	MATH 92.306 Real Analysis II	Introduction to real analysis, By Barbence. And advanced calculus by Buck	Summer 1992	James Graham-Eagle
57	Northeastern University	Electrical	ECE 3371 Linear Optimal Control Theory	Linear Optimal Control Systems. by Kwakwenaak and Sivan	March 1992	Tadmor
56	Northeastern University	Electrical	ECE 3321 Digital Signal Processing	Digital Signal Processing by Proakis, Macmillan and Manolakis	March 1992	Ram Raghavan
55	Northeastern University	Electrical	ECE 3221 Linear Systems Analysis	Computer Aided Analysis and Design of Linear control systems. B. Shafi. Prentice Hall	January 1992	Bahram Shafai

54	Northeastern University	Electrical	ECE 3211 Mathematical Methods in EE I	Engineering Analysis , Vector Space approach by Robert J. Schilling , Hua Lee. And Finite Dimensional Vector Space, by R.Halmos	Fall 1991	Tadmor
53	Northeastern University	Electrical	ECE 3100 Introduction to circuits and SystemsI	Linear Circuits Analysis by S. Madhu	Fall 1991	William J. Bintz
52	University of Massachusetts, Amherst	Mathematics	MATH 697P Mathematical Methods For Science And Engineering I	Mathematical Physics, E.Butkov, Addison Wesley	Summer 1991	Donald F St. Mary
51	Northeastern University	Electrical	ECE 3102 Introduction to Electromagnetic Field TheoryI	Field And Wave Electromagnetics, by David K. Cheng	March 1991	Charles J. Drane
50	Northeastern University	Electrical	ECE 3101 Micro-Electronics	Microelectronics by Jacob Millman, Arvin Gabel	January 1991	Bill Bintz
49	Northeastern University	Electrical	ECE 3108 Signals and Systems	Signals And Systems By Alan V. Oppenheim, Alan S. Willsky	January 1991	Lisa Shatz

48	Boston University	Computer Science	CSE 635 Local Area Networks: Design and Implementation	Local Networks, Second Edition, by Stalling, William	Fall 1990	Mikail Orlov
47	University Of Washington	Computer Science	CSE 524 Parallel Algorithms		March 1990	Richard Anderson
46	Univ. Of California, Santa Barbara	Computer Science	CSE 274 Advanced Topics in Data Base	Concurrency Control And Recovery in Data Base Systems. by Bernstein, Hadzilacos, Goodman. Addison Wesley	March 1989	Divyakant Agrawal
45	Oakland University	Computer Science	CSE 565 Compiler Construction	Compiler Construction and practice. by W.Barrett	Fall 1988	Ronald J. Srodawa
44	Oakland University	Computer Science	CSE 535 Programming languages design	Programming languages design and implementation	Fall 1988	Ronald J. Srodawa
43	Oakland University	Computer Science	CSE 550 Operating Systems	Milenkovic, Operating Systems, McGraw Hill	March 1988	David E. Boddy
42	Oakland University	Computer Science	CSE 542 Algorithms	Data structures and Algorithms. by Aho, Hopcraft and Ullman	March 1988	James H. McKay

41	Oakland University	Computer Science	CSE 502 Hardware Logic design	Motorola MC6800 Microprocessor family assembly language, Interface design and system design	January 1988	Subramaniam Ganesan
40	Oakland University	Computer Science	CSE 504 Discrete structures and Foundation of computer science	A.Doerr, K.Levasseur. by Applied Discrete Structures for computer science, SRA 1985	January 1988	Thomas G. Windeknecht
39	Oakland University	Computer Science	CSE 538 Programming methodology	Systematic Software development using VDM. by C.B.Jones	Fall 1987	Janusz Laski
38	Oakland University	Mathematics	APM 563 Discrete methods	Albert Tucker, Applied Combinatorals	Fall 1987	
37	Oakland University	Computer Science	CSE 516 Artificial Intelligence	AI by Patrick Henry Winston	Summer 1987	
36	Wayne State University	Electrical	CSE 531 Computer Organization	Computer Design and Architecture by Sajjan G. Shirva	March 1987	Aridam Gup-taray

35	Wayne State University	Electrical	CSE 562 Mini-Micro Computers	J.f.Wakerly microcomputer Architecture and Programming, John Wiley	March 1987	Harpreet Singh
34	University of Southern California USC	Civil	CE 512b Special Topics in Hydrology		Summer 1983	
33	University of Southern California USC	Civil	CE 561 construction planning and scheduling		Spring 1983	
32	University of Southern California USC	Civil	CE 599 special topics		Spring 1983	
31	University of Southern California USC	Civil	CE 572 Construction labor management		Spring 1983	
30	University of Southern California USC	Civil	CE 506 Heavy Construction Estimating		Spring 1983	
29	University of Southern California USC	Civil	CE 462 Construction methods and Equipment		Fall 1982	
28	University of Southern California USC	Civil	CE 501 Functions of the constructor		Fall 1982	
27	University of Southern California USC	Civil	CE 508 Mechanics of Solids II		Summer 1982	
26	University of Southern California USC	Civil	CE 525b Engineering Analysis		Summer 1982	

25	Liverpool University, UK	Civil/Building Eng.	3rd year. Principles of building construction II.		1980	
24	Liverpool University, UK	Civil/Building Eng.	3rd year. Industrial engineering II.		1980	
23	Liverpool University, UK	Civil/Building Eng.	3rd year. Advanced theory/Design of structures.		1980	
22	Liverpool University, UK	Civil/Building Eng.	3rd year. Structural concrete and steel.		1980	
21	Liverpool University, UK	Civil/Building Eng.	3rd year. Advanced soil mechanics.		1980	
20	Liverpool University, UK	Civil/Building Eng.	3rd year. Group design project.		1980	
19	Liverpool University, UK	Civil/Building Eng.	2nd year. Advanced Mathematics		1979	
18	Liverpool University, UK	Civil/Building Eng.	2nd year. Numerical methods and Statistics		1979	
17	Liverpool University, UK	Civil/Building Eng.	2nd year. Principles of building construction I		1979	
16	Liverpool University, UK	Civil/Building Eng.	2nd year. Principles of building services I		1979	

15	Liverpool University, UK	Civil/Building Eng.	2nd year. Industrial Engineering I.		1979	
14	Liverpool University, UK	Civil/Building Eng.	2nd year. FORTRAN programming		1979	
13	Liverpool University, UK	Civil/Building Eng.	2nd year. Theory and design of structures		1979	
12	Liverpool University, UK	Civil/Building Eng.	2nd year. Structural concrete		1979	
11	Liverpool University, UK	Civil/Building Eng.	2nd year. Soil mechanics		1979	
10	Liverpool University, UK	Civil/Building Eng.	1st year. Theory of design of structures		1978	
9	Liverpool University, UK	Civil/Building Eng.	1st year. Environmental science		1978	
8	Liverpool University, UK	Civil/Building Eng.	1st year. Principles of mechanical Engineering		1978	
7	Liverpool University, UK	Civil/Building Eng.	1st year. Construction materials		1978	
6	Liverpool University, UK	Civil/Building Eng.	1st year. Graphics communication/Design		1978	
5	A-levels Stockton Billingham technical College, England	Physics	A-levels Physics		1977	

4	A-levels Stockton Billingham technical Col- lege, England	Mathematics	Mathematics, University of London Board		1977	
3	A-levels Stockton Billingham technical Col- lege, England	Mathematics	Further Math- ematics Uni- versity of Lon- don Board		1977	
2	A-levels Stockton Billingham technical Col- lege, England	Mathematics	Pure Mathe- matics Associ- ated examina- tion Board		1977	
1	A-levels Stockton Billingham technical Col- lege, England	Mathematics	Applied Math- ematics Asso- ciated exami- nation Board		1977	

Chapter 2

List of all courses arranged chronologically (124)

1. MATH 320, Linear Algebra and differential equations. University of Wisconsin, Madison.
2. Engineering Physics 548, Engineering analysis II, University of Wisconsin, Madison.
3. MATH 322, Applied Mathematical Analysis. University of Wisconsin, Madison.
4. MATH 319, Techniques in Ordinary Differential Equations, University of Wisconsin, Madison.
5. ECE 719, Optimal systems. University of Wisconsin, Madison.
6. EMA 471, Intermediate Problem Solving for Engineers University of Wisconsin, Madison.
7. ECE 332, Feedback control. University of Wisconsin, Madison
8. Physics 311, Mechanics). University of Wisconsin, Madison
9. ECE/ME 739, Introduction to Robotics, University of Wisconsin, Madison
10. MATH 703 Methods of applied Mathematica I, University of Wisconsin, Madison

11. ECE 717 Linear systems, University of Wisconsin, Madison.
12. EMA 550 astrodynamics, University of Wisconsin, Madison.
13. EMA 523 flight dynamics and control, University of Wisconsin, Madison.
14. EMA 542 Advanced Dynamics, University of Wisconsin, Madison.
15. EP 547 Engineering analysis 1, University of Wisconsin, Madison.
16. EMA 545 Engineering Vibration, University of Wisconsin, Madison.
17. CEE 744 Structural Dynamics and Earthquake Engineering, University of Wisconsin, Madison.
18. EME 121 Engineering applications of dynamics, UC Davis.
19. Math 228B Numerical Solution of Differential Equations, UC Davis.
20. Math 228A Numerical Solution of Differential Equations, UC Davis.
21. ECE 405 Communication systems, Cal poly Pomona, CA.
22. EGEE 420 Digital filters, California state university, Fullerton.
23. EGEE 409 Linear systems and signals, California state university, Fullerton.
24. EGME 511 Advanced Mechanical Vibration, California state university, Fullerton.
25. EGME 431 Mechanical Vibration, California state university, Fullerton.
26. EGEE 518 Digital Signal Processing I, California state university, Fullerton.
27. EGEE 443 Electronic Communication Systems, California state university, Fullerton.
28. Math 597 Final Project, California state university, Fullerton.
29. Math 504 Simulation Modeling and Analysis, California state university, Fullerton.

30. Math 502 Probability and Statistics, California state university, Fullerton.
31. Math 503 Mathematical Modeling, California state university, Fullerton.
32. Math 499 independent studies, California state university, Fullerton.
33. Math 501 Numerical Analysis and computation, California state university, Fullerton.
34. Math 307 Linear Algebra, California state university, Fullerton.
35. CE 247 Structural Dynamics, University of California, Irvine.
36. PHY 100 Computational Methods in Physics, University of California, Irvine.
37. MAE 207 Computational methods, University of California, Irvine.
38. MAE 244 Theoretical Kinematics, University of California, Irvine.
39. MAE 295 Solid mechanics, University of California, Irvine.
40. MAE 200B Engineering Analysis II, University of California, Irvine.
41. MAE 200A Engineering Analysis 1, University of California, Irvine.
42. MAE 270A Linear Systems 1, University of California, Irvine.
43. MAE 171 Digital Control, University of California, Irvine.
44. MAE 170 Introduction to control systems, University of California, Irvine.
45. MAE 106 Mechanical Systems Lab, University of California, Irvine.
46. EECS 207A Advanced Image processing, University of California, Irvine.
47. EECS 152A Digital Signal processing, University of California, Irvine.
48. EECS 203A Digital Image processing, University of California, Irvine.
49. MAE 91 Introduction To Thermodynamics, University of California, Irvine.

50. MATH 121B Mathematical Tools for the Physical Sciences, University of California, Berkeley.
51. MATH 121A Mathematical Tools for the Physical Sciences, University of California, Berkeley.
52. Physics 7LD Classical Physics 7D Lab, University of California, Irvine.
53. Physics 7D Classical Physics, University of California, Irvine.
54. Physics 7E Classical Physics, University of California, Irvine.
55. MAE 185 Applied Numerical Analysis, University of California, Irvine.
56. MAE 146 Astronautics, University of California, Irvine.
57. Math 127 Mathematical and Computational Methods in Molecular Biology, University of California, Berkeley.
58. Physics 240 Computational Physics, California state university, SanJose.
59. ECE 3311 Software engineering 1, Northeastern university, Boston.
60. ECE 3341 Probability and stochastic processes, Northeastern university, Boston.
61. ECE 3325 Numerical software development methods, Northeastern university, Boston.
62. ECE 3386 Characteristics and models of solid state devices I-B, Northeastern university, Boston.
63. ECE 3342 Electromagnetic theory I-A, Northeastern university, Boston.
64. ECE 580 Feedback control systems, Northeastern university, Boston.
65. MATH 92.306 Real Analysis II, University of Massachusetts, Lowell.
66. ECE 3371 Linear Optimal Control Theory, Northeastern university, Boston.
67. ECE 3321 Digital Signal Processing, Northeastern university, Boston.
68. ECE 3221 Linear Systems Analysis, Northeastern university, Boston.

69. ECE 3211 Mathematical Methods in EE I, Northeastern university, Boston.
70. ECE 3100 Introduction to circuits and Systems I, Northeastern university, Boston.
71. MATH 697P Mathematical Methods For Science And Engineering I, University of Massachusetts, Amherst.
72. ECE 3102 Introduction to Electromagnetic Field Theory I, Northeastern university, Boston.
73. ECE 3101 Micro-Electronics, Northeastern university, Boston.
74. ECE 3108 Signals and Systems, Northeastern university, Boston.
75. CSE 635 Local Area Networks, Boston university, Boston.
76. CSE 524 Parallel Algorithms, University Of Washington, Seattle.
77. CSE 274 Advanced Topics in Data Base, University Of California, Santa Barbara.
78. CSE 565 Compiler Construction, Oakland University, MI.
79. CSE 535 Programming languages design, Oakland University, MI.
80. CSE 550 Operating Systems, Oakland University, MI.
81. CSE 542 Algorithms, Oakland University, MI.
82. CSE 502 Hardware Logic design, Oakland University, MI.
83. CSE 504 Discrete structures and Foundation of computer science, Oakland University, MI.
84. CSE 538 Programming methodology, Oakland University, MI.
85. APM 563 Discrete methods, Oakland University, MI.
86. CSE 516 Artificial Intelligence, Oakland University, MI.
87. CSE 531 Computer Organization, Wayne state university, MI.

88. CSE 562 Mini-Micro Computers, Wayne state university, MI.
89. CE 512b Special Topics in Hydrology, University of southern California, Los Angeles.
90. CE 561 construction planning and scheduling, University of southern California, Los Angeles.
91. CE 599 special topics, University of southern California, Los Angeles.
92. CE 572 Construction labor management, University of southern California, Los Angeles.
93. CE 506 Heavy Construction Estimating, University of southern California, Los Angeles.
94. CE 462 Construction methods and Equipment, University of southern California, Los Angeles.
95. CE 501 Functions of the constructor, University of southern California, Los Angeles.
96. CE 508 Mechanics of Solids II, University of southern California, Los Angeles.
97. CE 525b Engineering Analysis, University of southern California, Los Angeles.
98. Principles of building construction II, Liverpool University, England.
99. Industrial engineering II, Liverpool University, England.
100. Principles of building construction II, Liverpool University, England.
101. Advanced theory/Design of structures, Liverpool University, England.
102. Structural concrete and steel, Liverpool University, England.
103. Advanced soil mechanics, Liverpool University, England.
104. Group design project, Liverpool University, England.
105. Advanced Mathematics, Liverpool University, England.

106. Numerical methods and Statistics, Liverpool University, England.
107. Principles of building construction I, Liverpool University, England.
108. Principles of building services I, Liverpool University, England.
109. Industrial Engineering I, Liverpool University, England.
110. FORTRAN programming, Liverpool University, England.
111. Theory and design of structures, Liverpool University, England.
112. Structural concrete, Liverpool University, England.
113. Soil mechanics, Liverpool University, England.
114. Theory of design of structures, Liverpool University, England.
115. Environmental science, Liverpool University, England.
116. Principles of mechanical Engineering, Liverpool University, England.
117. Construction materials, Liverpool University, England.
118. Graphics communication/Design, Liverpool University, England.

Chapter 3

Teacher assistant (TA) courses (3)

I liked being a TA, it is fun to teach and answer questions. I should do more of it.

No.	University	Dept.	Course name	Date
3	Univ. Of California, Irvine	Mechanical	MAE 80 Dynamics	Summer 2006
2	Univ. Of California, Irvine	Mechanical	MAE 206 Optimization	Spring 2006
1	Univ. Of California, Irvine	Mechanical	MAE 185 Applied Numerical Analysis	Spring 2006

Chapter 4

Partial list of non-credit courses, audit courses, misc. lectures and notes

No.	University	Dept.	Course name	Textbook	Date	Instru
1	University of Wisconsin, Madison	Engineering Mechanics	EMA 605 Finite element methods	Concepts and Applications of Finite Element Analysis, 4th Edition ISBN-10: 0471356050	Fall 2009	Micha
2	University of Wisconsin, Madison	Mathematics	Math 513 Numerical Linear Algebra	Numerical Linear Algebra, L.N. Trefethen and D. Bau, SIAM, 1997. ISBN: 0898713617	spring 2013	Ron A
3	University of Wisconsin, Madison	Engineering Mechanics (EMA)	EMA 548 Engineering analysis 2	Advanced Mathematical Methods for Scientists and Engineers, Bender and Orszag, Springer	spring 2014	Leslie
			32			