Henghua DENG (Academic)



Teaching Activities

Led tutorial and lab sessions, assisted students with homework, graded exams.

Department of Electrical and Computer Engineering, University of Waterloo, Ontario, CANADA. (Obtained Certificate of Teaching Assistant in 2001)

Teaching Assistant	Electronic Devices (ECE231)	Sept. 2002—Dec. 2002
	Photonic Communication Systems (ECE477)	Jan. 2002—Apr. 2002
	Digital Computation (PHYS239)	Sept. 2001—Oct. 2001
	Fundamentals of Electrical Engineering (ECE100)	May 2001—Aug. 2001

Department of Electronics, Peking University, Beijing, CHINA.

Teaching Assistant	Signal and System	Mar. 1998—July 1998

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Courses

Bachelor's Core Courses	Advanced Mathematics I	98	Advanced Mathematics II	99	Linear Algebra	97
	Physics I	99	Physics II	96	Complex Functions and Integral Transformations	100
	Physics Experiments I	95	Physics Experiments II	87	Mathematical Equations and Special Functions	95
	Electronic Circuit Analysis	100	Analog Electronic Circuits	90	Pulses and Digital Electronic Circuits	88
	Signal and System	100	Digital Signal Processing	86	Design of Pulses and Digital Electronic Circuits	90
	Antenna	94	Computer Principles and Applications	85	Electromagnetics Fields and Electromagnetic Waves	86
	Microwave Technology	95	Principles of Communication	92	High Frequency Electronic Circuits	91
	Stochastic Signal Processing	92				
	Excellent Bachelor's Thesis: *Research of ISPLSI Developing System and Programming Methods (90)*					
Master's Core Courses	Information Theory and Coding	91	Fiber Optic Communication	91	Digital Communication	86
	Image Coding and Processing	95	Modern Electromagnetics Theory	88	Discrete Mathematics	85
	Digital Signal Processing II	95	Signal Detecting and Evaluating	84		
	Master's Thesis: *Research on optical add/drop multiplexers (OADM) based on arrayed waveguide grating (AWG)*					
Ph.D. Courses	Photonic Communication Systems and Devices	A+	Physics and Modeling of Semiconductor Devices	A	Fourier Optics and Optical Signal Processing	Audit Credit
	Low-Voltage CMOS Devices and Circuits	A+	Machine Intelligence	A+		
	Ph.D. Thesis: *Design and characterization of silicon-on-insulator passive polarization converter with finite element analysis*					

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Transcripts

Bachelor's: Certificate. Diploma. Transcript.
Master's: Certificate. Diploma. Transcript.
Ph.D. : Certificate. Diploma. Transcript.

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Administrationand Management