



Shandong University of Science and Technology Telecommunication Engineering

Course Outlines under Term System

COURSES FOR FIRST YEAR

1st Term

Course No.	Course Title	Credit		Hours	
		Part-I	Part-II	Part-I	Part-II
	Chinese 国语 1	6		120	
	Physical Education 体育	2		36	
	Higher Mathematics 高等数学	5		100	
	Computer Fundamentals 计算机文化基础	4		70	
	Project Charting & CAD 工程制图与 AutoCAD	3		60	
	Introduction to Communications 专业介绍	1		20	
	Metalwork Practice 金工实习		1		1wk
Total		21	1	406	1wk
Term Total for Part-I & II		22		406+1wk	

2nd Term

	Chinese 国语 2	4		70	
	Physical Education 体育	2		36	
	Higher Mathematics 高等数学	5		100	
	C Language C 语言	3		50	
	College Physics 大学物理	4	1	84	25
	Linearity Algebra 线性代数	2		36	
Total		20	1	376	25
Term Total for Part-I & II		21		401	
Grand Total for 1st Year		43		807+1wk	

COURSES FOR SECOND YEAR

3rd Term

Course No.	Course Title	Credit		Hours	
		Part-I	Part-II	Part-I	Part-II
	Chinese 国语 3	4		70	
	Physical Education 体育	2		36	
	Theory of Probability & Mathematical Statistics 概率论与数理统计	2		36	
	Complex Variable Function and Integral Transformation 复变函数与积分变换	2		36	
	College Physics 大学物理	4	1	84	25
	Visual C Language VC	3		50	
	Circuit Analysis 电路分析	5	1	96	18
	VC Course Design VC 课程设计		2		2wks
Total		22	4	408	43+2wks
Term Total for Part-I & II		26		451+2wks	

4th Term

	Chinese 国语 4	4		70	
	Physical Education 体育	2		36	
	Fields Theory 场论	1		20	
	Analog Electronic Circuit 模拟电子	3	1	68	16
	Digital Electronic Circuit 数字电子	3	1	68	16
	Signal & Systems 信号与系统	4	1	72	10
	Electronic Craft Course Designs 电子工艺课程设计		2		2wks
Total		17	5	334	42+2wks
Term Total for Part-I & II		22		376+2wks	
Grand Total for 2nd Year		48		827+4wks	

COURSES FOR THIRD YEAR**5th Term**

Course No.	Course Title	Credit		hours	
		Part-I	Part-II	Part-I	Part-II
	Chinese 国语	3		60	
	Electromagnetic Field Theory 电磁场与电磁波	3		60	
	High-frequency Electronic Circuits 高频电子线路	4	1	84	20
	Digital Signal Processing 数字信号处理	3	1	60	12
	Signal Processing and System Analysis CourseDesign 信号处理与系统分析课程设计		2		2wks
	Elective I 选修	4		80	
Total		17	4	344	32+2wks
Term Total for Part-I & II		21		376+2wks	

6th Term

	Information Theory 信息论	3		54	
	Communication Principles 通信原理	4	1	72	12
	Foundation of Microwave Technology 微波技术基础	3	1	60	10
	Computer Networks 计算机网络	4		70	
	Elective II	4		80	
	Elective III	4		80	
	Singlechip Application Technology Course Design 单片机应用技术课程设计		3		3wks
Total		22	5	416	22+3wks
Term Total for Part-I & II		27		438+3wks	
Grand Total for 3rd Year		48		814+5wks	

COURSES FOR FINAL YEAR**7th Term**

Course No.	Course Title	Credit		hours	
		Part-I	Part-II	Part-I	Part-II
	Communications Systems 通信系统	3	1	60	10
	Modern Exchange Principle 现代交换原理	2		48	
	Elective IV 选修	4		80	
	Elective V 选修	4		80	
	Communications Systems Course Design 通信系统课程设计		3		3wks
	TV Manufacture 电视机制作		3		3wks
Total		13	7	268	10+6wks
Term Total for Part-I & II		20		278+6wks	

8th Term

Course No.	Course Title				
	Practice 实习				
	Graduation Project 毕业设计				
Total					
Term Total for Part-I & II		20		278+6wks	

Note:

Elective I : Windows Programming Technology;
Computer Simulation Technology;
Electromagnetic Compatibility;
Computing Algorithms;

Elective II : Microprocessor & Interfacing, MCU Principles and Interface;
32 Bits Single chip and Embedded Operating System;
DSP Principles & Application Technology;

Elective III: Antenna Principles;
Random Signal Analysis;
Network Operating System;
Television Principles and Systems

Elective IV: Stream Medium Telecommunications Technology;
Safety and Security of Communication Network;
Foundation of Optical Fiber Communications Technology;
Mobile Communications Technology;
Satellite Communications Technology

Elective V: VHDL& Electronic Design Automation;
Digital Image Processing;
Speech Signal Processing