

Shandong University of Science and Technology Telecommunication Engineering

Course Outlines under Term System

COURSES FOR FIRST YEAR 1ST Term

Course No.	Course Title	Credit Part-I Part-II	Hours		
	Course Title		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	2	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 1 st Year		43		807 +1wk	

COURSES FOR SECOND YEAR 3rd Term

Course No.	Course Title		Credit		ours
	Course little		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 2 nd Year	48		827 +4wks	

COURSES FOR THIRD YEAR 5th Term

Course	Course Title	Credit		hours	
No.	Course Title	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	
6 th 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 To	Grand Total for 3 rd Year		3	814+	-5wks

COURSES FOR FINAL YEAR

7th Term

Part-I	Part-II	Part-I	D 4 11
3		. a.c.	Part-II
J	1	60	10
2		48	
4		80	
4		80	
	3		3wks
	3		3wks
13	7	268	10+6wks
20		278 +6wks	
	13	3 3 13 7	3 3 3 13 7 268

8th Term

Course No.	Course Title		
	Practice 实习		
	Graduation Project 毕业设计		
Total			
Term Tot	al 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