

机械工程(0802)

(Mechanical Engineering)

科 类:工 (08) 一 级 科:机械工程(0802)

一、科简介

									1986
1990	"		"	1996					
"			"	1993	"				
"	1994	1996	2003	"		"	"	"	"
"			"	2005	"	"			
"	"			"	"				
"	"			"		"			
		"	"					"	"
				"					
5	15		"		"		5		
	366								10
				400					

二、培养 求

三、主 研 究 方 向

1. Design Fundamental and Methodology of Mecha-
tronic System
2. Dredging Technology and Equipment
3. CAD/CAPP/CAM/CAE CAD/CAPP/CAM/CAE
System – integrated Technology and Development
4. Reliability Design and
Strength Methodology to Mechanical Structure
5. Robotics and Intelligent Control to Me-
chanical Equipment
6. Advanced Technology of Mechanical Manufacturing
7. Industrial Design Theory and Method

四 、 制 和 身 修

3

5

1

五 分 求 和 课 程 设 置

28

18

10

1

2 – 3

、教 环 节

1.

2

2.

4

1

3.

1

4.

30

40%

3000

、文工作

1.

2

3

3.

3

4.

5.

5



--	--	--	--	--	--	--	--	--	--	--

00M0001 First Fo

必读的参考文献和点刊

- 1 . 2013
- 2 . 2006
- 3 . 2006
- 4 2011
- 5 . 2011
- 6 2007
- 7 2007
- 8 2003
- 9 Katsuhiko Ogata Moden control engineering Prentice Hall
- 10 Cottrell J. Austin Hughes Thomas J. R. Bazilevs Yuri. Isogeometric analysis toward integration of CAD and FEA M . Wiley John Wiley & Sons Ltd 2009.
- 11 T. J. R. Hughes The Finite Element Method Linear Static and Dynamic Finite Element Analysis Dover Publications Inc. 2000.
- 12 Martin Philip Bendsoe Ole Sigmund. Topology optimization – theory methods and applications. Springer 2003
- 13 P. W. Chris tensen A. Kla rbring An Introduction to Structural Optimization Springer 2009.
- 14 L. Piegl W. Tiller The NURBS Book Springer – Verlag New York 1997.
- 15 K. K. Choi Nam H. Kim. Structural Sensitivity Analysis and Optimization 1

39
40
41
42
43
44
45
46
47

A B