



**Shandong University School of Medicine**

## **Graduate Education Program Curriculum**

)

Edition Year 2014

*Providing Relief to All in Needs*

*Seeking Truth from Univer* ~~ity~~ ~~in~~ ~~the~~ ~~World~~ ~~to~~ ~~Develop~~ ~~It~~ ~~self~~ ~~and~~ ~~Others~~

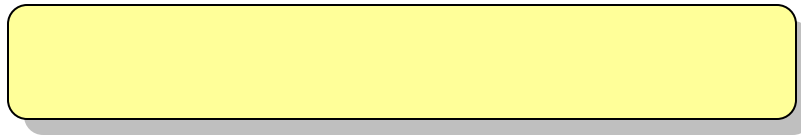
# Contents

- 1. History**

1.



technological awards at national, ministerial and provincial levels. Nearly 7000 essays have been published in national and international academic periodicals, like *Nature Genetics*, *Cell and Blood*. The favorable development of scientific research



**Departments in Biomedicine**

**Departments in Clinical Medicine**

## **4. General Regulations for the Master Program for International Students**

Program Length: 3 years



L

which provides the general conceptions and structures as well as the new

kept for reference.(ept for)14p01 72.04.16 110701.32 refETF5F2 14.0 Tf1 018 1 6.04 70.0 r

### 3. **Master Pre-defense:**



## Section

major fields and give presentations for at least 5 times, which will be graded by supervisors or committee members.

5)

## **1. Topic Selection and Dissertation Proposal**

PhD students are required to widely review literature, be familiar with international development frontier of the discipline, clearly understand the main direction, and then determine the dissertation topic under the guidance of supervisors.

Before starting the dissertation proposal, students must complete the **literature review**



### **3. PhD Pre-Defense**

One month before the submission of dissertation and application for defense, a



## 6. Core Subjects of the Courses Study for International Students

### Appendix Course Selection List of Courses for International Students

No.	Course Code	Course Name	Credit Hours	Credits	Teaching Institute
1	C08060078				

		Diseases			
13		Biomedical Papers in English Writing	18		
	C08060082				















## 2 Molecular genetics mechanisms of tumor genesis

## Ø Cell Biology



## **Ø Human Anatomy, Histology & Embryology**

### **Section 1 Research Direction**

1) Experimental Embryology, 2BT1 0BT1 0 0 1 193search En4 Tm679.s46 655.544(u38a(e

4) Nerve regeneration,





10 Biol Reprod

**Ø Immunology**

**Section 1 Research DirectionReprod**



## **Section 2 Curriculum**

Anti virus Immunology

Anti tumor Immunology

Filarial Biology

Parasitic Disease

## **Section 3**

14.



5 Clinical pharmacology: Make use of chromatogram and mass spectrum technology,



7)



2) the pathogenesis and intervention treatment of secondary renal diseases such as diabetic nephropathy, hypertensive nephropathy and lupus nephritis

3) the pathogenesis and the prevention and treatment of renal tubulointerstitial disease

4) the combined treatment of Traditional Chinese Medicine and Western Medicine of chronic kidney disease

5)

3)

Pain and soft tissue rheumatism

Osteoarthritis

Crystal associated arthropathies

Rheumatoid arthritis





Polycystic kidney disease

Interstitial Nephritis

Pyelonephritis

Acute&chronic renal failure

Renal Biopsy

Dialysis

**internal medicine (Cardiovascular disease)**

Diagnosis of typical&atypical Myocardial infraction



8. Clinical & Experimental Immunology

9. Science

10. Lancet





## **Section 2 Curriculum**

Cerebral Vascular Disease

Epileptic Disease

Demyelinating Disease

Exi(E)4((m)9(4s))4(e)17( D)6(d)-3(nln)4(g)-3( D)6(i)4(s)-3(ea)8(s)-3(e)JTJETBT1 0 .2117

research of new type of internal fixation apparatus in the spine, spinal endoscope and intraoperative spinal cord monitoring.

### 3. Joint surgery

Related factors discussion of Osteoarthritis pathogenesis, Research on etiology diagnosis and treatment of the aseptic necrosis of the femoral head, Research and ial joints.

### 4. Bone tumors

Research on causes, early diagnosis, limb salvage treatment, gene therapy of bone tumors.

### 5. Related issues study of microsurgery

### 6. Related issues of microtechnique repair

## **Surgery (Urology)**

### 1. Urology phymatology

Major project study of urology phymatology to discuss the causes,

Study the pathogenesis,

Genetic testing of thyroid and Pancreatic tumor, discussion about experimental gene therapy, tumor cell culture and experimental research, application and









physiologic and pathologic principles of dermabrasion, chemical peel and laser resurfacing; recognize the differences between the techniques and the indications for choice between the techniques.

biophysical properties of commonly used lasers, and choose different lasers for

9. “Annals of Thoracic Surgery”

10. “The Journal of Thoracic and Cardiovascular Surgery”

**Ø Pediatrics**

Research cord blood transplantation,



Basic and clinical study of Advanced Thyroid Carcinoma; Basic and clinical study of Cervical esoph

Nasal t60 G f









prevention and treatment of mental disorders, provide the basis for the relevant government departments to develop a relevant policy

- Mental health of children and adolescents (basic, leading discipline)

Study on the characteristics of psychological development of children and adolescents to explore child and youth mental health care, research on Characteristics and Control Countermeasures of mental disorders in children and



## **Section 1 Research Direction**

- Aging and anti-aging research: Focus on the mechanisms of aging and anti-aging measures

- Elderly cardiovascular disease research: Focus on the clinical characteristic and prevention of senile coronary heart disease, hypertension

- Elderly endocrine diseases research: Focus on the mechanisms and integrated prevention of senile diabetes, metabolic syndrome, lipid metabolic syndrome, gout and osteoporosis.

-







- Anesthesia pharmacological ETs5Brchnest43(h)-3eaia









Nuclear Medicine

**Section 3 the catalogue of main classic works and academic journals that  
need to be read**

**Journals**

1 Radiology



