

Guide book for MBBS Program

(Simplified Edition Year 2015)



Shandong university school of medicine traces her root back to late 19th century. Founded with the introduction of Western medicine and deeply nourished by Confucianism, she has formed the fine tradition of "Providing Relief to All in Need, Seeking Truth from Universal Wisdom". The school has trained a large number of medical professionals and has made important contributions to health care and medical research in China.

AOTU

School of Medicine

Shandong University

September, 2015

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School of Medicine

1864 Tengchow, Boy's Boarding School was founded by Calvin Wilson Mateer

1876 Tengchow, the School was renamed as Tengchow College

1883 Tengchow, James Boyed Neal launched medical education in Tengchow College

1883-1911 Tengchow, Tsingchow, Tsinan, Zouping, various medical colleges were established around Shandong Province by American Presbyterian Mission and English Baptist Missionary Society

1903 those missionary medical colleges combined together to form Shantung Union Medical College

1911 Jinan, Shantung Union Medical College moved all its campuses to Jinan

1917 Jinan, Shantung Union Medical College became the Medical School of Cheeloo University

1932 Jinan, Shandong Provincial Medical School was established

1944 Huainan, New Fourth Military Medical School was founded

1947 Linyi, New Fourth Military Medical School was renamed as North East Norman Bethune Medical College

1948 Jinan, Shandong Provincial Medical School was renamed as Shandong Provincial Medical College

1948 Jinan, Shandong Provincial Medical College merged into North East Norman Bethune Medical College

1949 Jinan, the united School was changed back the name as Shandong Provincial Medical College

1950 Jinan, Shandong Provincial Medical College was renamed as Shandong Medical College

1952 Jinan, the Medical School of Cheeloo University incorporated into Shandong Medical College

1985 Jinan, Shandong Medical College was renamed as Shandong Medical University

2000-now Jinan, the present School of Medicine evolved from former Shandong Medical University after the consolidation of Shandong University, Shandong Medical University and Shandong University.

Departments and Research Institutes & Labs

No.	Departments and Research Institutes	Research Area
1	Physiology	Cerebral Ischemia and Protection; Respiratory Rhythm; Neurogastroenterology and Motility; Rehabilitation of Nerve Injury
2	Pharmacology	Cardiovascular Pharmacology; Cerebrovascular Pharmacology; Anti-inflammatory and Immunopharmacology
3	Medical Genetics	Characterization of the Genes Responsible for Genetic Disorders; Molecular Mechanism of Tumorigenesis; Molecular Mechanism of Complex Diseases
4	Biochemistry & Molecular Biology	Regulation Mechanisms of Tumor Associated Genes; Molecular biology of Prostate Cancers; Molecular Pharmacology of Natural Products against Tumors; Gene Therapy; Neurology Proteomics
5	Anatomy, Histology and Embryology	Experimental Embryology; Lymph and Immunity; Sectional and Imaging Anatomy ; Neural Development and Regeneration
6	Pathogenic Biology	Pathogenic Mechanism and intervention of Tumorigenic Viruses; Pathogenic Mechanism and Intervention of Pathogenic Bacteria ; Pathogenic Mechanism and Intervention of Toxoplasma and Demodex
7	Immunology	Regulatory T Cells and Diseases; Liver Diseases and Immunity; Epigenetic Regulation of Immunomolecules
8	Pathology & Pathophysiology	Pathological Mechanism and Reverse Research of Tumor Multidrug and Resistance; Clinical and Gene Mutation Research of Hyperlipidemia; Experimental Research of Atherosclerosis Pathogenesis; Experimental Research of Insulin Resisting Pathogenesis;
9	Biomedical Engineering	Biomedical Signal Processing; Biomedical Image Processing
10	Cell Biology	Neuron an Neural Stem cell Damage and Protection; molecular Regulatory Mechanisms on Mammalian Cell Mitosis; Signal Transduction of Growth Hormone; Cause and Pathogenesis of Diabetes
11	Cell Neurobiology	Growth Factors and Neuropeptides in Mental Disorders; Nerve System Development Deficits in Mental Disorders; Neurodegenerative Diseases and Mental disorders
12	Experimental Nuclear Medicine	Molecular Nuclear Medicine; Label Immunology
13	Diagnostics	Molecule Mechanism of Atherosclerosis; Mechanism of Myocarditis Cardiac Remodeling
14	Medical Psychology	Stress and Depression; Consultation and Psychotherapy of Abnormal Psychology; Psychosomatic Health of College Students; Children's Cerebral Function and Mental Health
15	Medical Ethics	Bioethics; Medical Law; Chinese Traditional Culture and Life Education; Hospital Management
No.	Labs	Services
	The Laboratory Center for Basic Medicine, National Labratotry Teaching Center	Teaching Lab of Morphology, Functional Laboratory (Physiology, Pathophysiology, Medical Psychology, Pharmacology and Comprehensive Medical Functional Experiments), Cell and Molecular Biology Laboratory (Cell Biology, Medical Genetics, Biochemistry & Molecular Biology, Medical Microbiology and Medical Immunology Experiments) and Clinical Medicine Laboratory (Diagnostics, Operatology, Experimental Nuclear Medicine and Clinical Combined Training Experiments),

Teaching Hospitals

No.	Hospital	Year of establishment	Clinical and technical Departments	In-patient Beds	Staff with senior professional titles	Supervisors of doctoral candidates	Supervisors of master candidates
1	Qilu Hospital of Shandong University (SDU)	1890	60	1700	662	59	163
2	The Second Hospital of SDU	1987	48	1200	-	5	42
3	Shandong Provincial Hospital Affiliated to SDU	1897	66	1800	530	25	135
4	Jinan Central Hospital Affiliated to SDU	1958	>50	1082	399	2	36
5	Qianfoshan Hospital Affiliated to SDU	1960	>50	1000	-	1	34
6	Jinan Hospital for Infectious Diseases	1952	20	350	>60	-	7
7	Shandong Mental Health Care	1954	18	550	85	-	7
8	Shandong Medical Imaging Research Institute	1975	-	-	89	3	16

Key Laboratories

No.	Key Labs	Year of Establishment	Staff	Funds	Director	Research Area
1	Key Laboratory of Cardiovascular Remodeling and Function Research, Ministry of Education and Ministry of Health	2002	53	Research Funds: ¥ 47,280,000, Discipline Construction Funds: ¥ 91,260,000	Zhang Yun	Basic and Clinical Studies on Atherosclerosis, Heart Failure, Arrhythmia, Coronary Catheterization and Thrombus
2	Key Laboratory of Experimental Teratology, Chinese Ministry of Education	2001	22	Research Funds: ¥ 16,200,000, Discipline Construction Funds: ¥ 30,000,000	Gong Yaoqin	Studies on causes and biological processes leading to abnormal development and birth defects at the fundamental level, appropriate preventive measures.
3	Key Laboratory of Otolaryngology, Ministry of Public Health	1989	29	-	Wei Fengcai	Basic and clinical studies on laryngeal carcinoma, hypopharyngeal carcinoma and head and neck neoplasms, nasal endoscopic surgery and nasal skull base tumor, aural surgery and hearing reconstruction and sleep-disordered breathing
4	Key Laboratory of Hematopathy, Class III of the State Administration of Traditional Chinese Medicine	1980	34	¥ 5,550,000	Hou Ming	Basic and clinical studies on hemorrhagic diseases, aplastic anemia, and hematologic malignancies
5	Key Laboratory of Reproductive Medicine, Shandong Province	1987	56	-	Chen Zijiang	Assisted reproductive technology and reproductive engineering, reproductive genetics, tissue engineering and embryonic stem cells
6	Key Laboratory of Medical Neurobiology, Shandong Province	1998	25	¥ 17,000,000	Chen Zheyu	Studies on roles of growth factors and neuropeptides in mental disorders, nerve system development deficits in mental disorders and the relationship between neurodegenerative diseases and mental disorders
7	Key Laboratory of Infection and Immunity, Shandong Province	1950s	35	¥ 13,000,000	Jia Jihui ; Honorary: Chen Youhai	Virus infection and immunity, bacterial infection and drug resistance, liver diseases and immunity, immunoregulation and inflammation and epigenetic regulation of immunomolecules

MBBS Program

Shandong University is one of the earliest universities that admit international students for study toward M.B.B.S (Bachelor of Medicine & Bachelor of Surgery) in clinical medicine in China. The training program was launched in 2002 at SUSOM. The aim of this program, which takes six to eight years, is to train highly qualified physicians and surgeons through lecturing, laboratory teaching and supervised clinical practice. Two teaching modes, in Chinese and English, respectively, are offered. Among the current international students of over 300 at SUSOM, most select the English teaching mode. According to the data released by Ministry of Education of P.R.China in 2008, Shandong University was one of the 25 universities accredited for enrolling foreign students for M.B.B.S in English.

Curriculum

Year	Semester	No.	Courses	Lectures Hours	Experiment (Probation) Hours	Credits	Teaching Institutes	Type
1st Academic Year	Semester 1	0361000110	Chinese I	80	/	5	Chinese Department, College of International Education	Language
		0311100212	<i>Outline of Traditional Chinese Culture</i>	32	/	2	General English Department	Elective
		0102002612	College Physics	32	16	2.5	College of Physics	Pre-medicine
		0262000112	Inorganic Chemistry	32	16	2.5	School of Pharmacology	Pre-medicine
		0262000212	Organic Chemistry	32	16	2.5	School of Pharmacology	Pre-medicine
	Semester 2	0361000210	Chinese II	96	/	6	Chinese Department, College of International Education	Language
		0311500312	<i>Introduction to Chinese Traditional Customs and Social Etiquettes</i>	32	/	2	General English Department	Elective
		0233213112	Cell Biology	48	20	3.5	Institute of Cell Biology; Cellular and Molecular Medicine Teaching Platform	Basic
		0233213012	Human Anatomy	96	96	9	Department of Anatomy	Basic
	Semester 3	0361000310	Chinese III	96	/	6	Chinese Department, College of International Education	Language
0311300312		<i>Chinese Sceneries and Cultural Heritage</i>	32	/	2	General English Department	Elective	
0233213212		Neuroanatomy	48	16	3	Department of Anatomy	Basic	

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2nd Academic Year		0233213312	Histology and Embryology	64	40	5.5	Department of Histology and Embryology; Teaching Laboratory of Morphology	Basic
		0233305212	<i>Traditional Chinese Medicine</i>	64	4	4	<i>Qilu Hospital and Provincial Hospital in turn</i>	<i>Elective</i>
		0233216642	Pre-probation 1	/	32	1	Hospitals	Clinical
	Semester 4	0361000410	Chinese IV	64	/	4	Chinese Department, College of International Education	Language
		0311100112	<i>Culture of Chinese Characters</i>	32	/	2	<i>General English Department</i>	<i>Elective</i>
		0233213412	Human Physiology I	64	40	5	Institute of Physiology; Teaching Laboratory of Function	Basic
		0233213512	Biochemistry	48	12	3.5	Institute of Biochemistry & Molecular Biology; Cellular and Molecular Medicine Teaching Platform	Basic
		0233213612	Molecular Biology	48	12	3.5	Institute of Biochemistry & Molecular Biology; Cellular and Molecular Medicine Teaching Platform	Basic
		0233305312	<i>Medical Law</i>	32	/	2	<i>Department of Medical Ethics</i>	<i>Elective</i>
		0233216642	Pre-probation 2	/	32	1	Hospitals	Clinical
Semester 5	0231000110	Medical Chinese	64	/	4	General English Department	Language	
	0233213712	Human Physiology II	32	16	3	Institute of Physiology; Teaching Laboratory of Function	Basic	

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3rd Academic Year		0233213812	Medical Microbiology	48	32	4	Department of Medical Microbiology; Cellular and Molecular Medicine Teaching Platform	Basic
		0233213912	Medical Immunology	48	24	4	Institute of Immunology; Cellular and Molecular Medicine Teaching Platform	Basic
		0233214012	Human Parasitology	24	24	2.5	Department of Parasitology; Teaching Laboratory of Morphology	Basic
		0233214112	PBL-1	32	/	2	School of Medicine	Basic
		0223304512	<i>Social medicine</i>	16	/	1	<i>School of Public Health</i>	<i>Elective</i>
		0233216642	Pre-probation 3	/	32	1	Hospitals	Clinical
	Semester 6	0233214212	Pathology	96	64	8	Department of Pathology; Teaching Laboratory of Function	Basic
		0233214312	Pathophysiology	96	24	7	Department of Pathophysiology; Teaching Laboratory of Morphology	Basic
		0233214412	Medical Ethics	16	/	1	Department of Medical Ethics	Clinical
		0233214512	PBL-2	32	/	2	School of Medicine	Basic
		0233305412	<i>Forensic Medicine</i>	16	/	1	<i>Department of Pathology</i>	<i>Elective</i>
		0233216642	Pre-probation 4	/	32	1	Hospitals	Clinical

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4th Academic Year	Semester 7	0233214612	Pharmacology	96	40	7.5	Department of Pharmacology; Teaching Laboratory of Function	Basic
		0233214712	Human Genetics	48	24	4	Institute of Medical Genetics; Cellular and Molecular Medicine Teaching Platform	Basic
		0233214812	Nuclear Medicine	32	4	2	Institute of Experimental Nuclear Medicine; Qilu Hospital	Clinical
		0223205112	Preventive Medicine	32	/	2	School of Public Health	Clinical
		0233214912	PBL-3	32	/	2	School of Medicine	Basic
		0233305512	<i>Nutrition</i>	16	/	1	<i>School of Public Health</i>	<i>Elective</i>
		0233305612	<i>Tropical Medicine</i>	24	/	1.5	<i>Department of Parasitology</i>	<i>Elective</i>
	0233216642	Pre-probation 5	/	32	1	Hospitals	Clinical	
	Semester 8	0233215012	Lab Diagnostics	16	8	1	Institute of Diagnostics	Clinical
		0233215112	Physical Diagnostics	32	32	3	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233215212	Medical Imageology	32	/	2	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233215312	Operative Surgery	8	24	2	Department of Operation Research, Qilu Hospital	Clinical
		0233215412	PBL-4	32	/	2	School of Medicine	Basic
		0233215512	Behavioral Science	32	/	2	Institute of Medical Psychology	Clinical

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		0233215612	Infectious Diseases	32	4	2	Jinan Infectious Diseases Hospital	Clinical
		0243300912	<i>Stomatology</i>	24	/	1.5	<i>School of Stomatology</i>	<i>Elective</i>
		0233216642	Pre-probation 6	/	32	1	Hospitals	Clinical
5th Academic Year	Semester 9	0233215712	Internal Medicine	96	16	6.5	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233215812	Surgery Medicine	96	16	6.5	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233215912	Ophthalmology	32	4	2	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233216012	Otorhinolaryngology	32	4	2	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233216112	Dermatology	32	4	2	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233305712	<i>General Family Medicine</i>	16	/	1	<i>Jinan Central Hospital</i>	<i>Elective</i>
	Semester 10	0233216212	Neurology	32	4	2	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233216312	Psychiatry	16	4	1	Shandong Mental Health Care Center	Clinical
		0233216412	Gynecology and Obstetrics	64	8	4.5	Qilu Hospital and Provincial Hospital in turn	Clinical
		0233216512	Pediatrics	64	8	4.5	Qilu Hospital and Provincial Hospital in turn	Clinical
0233216542		Clinical Skills Training	/	80	2.5	Qilu Hospital and Provincial Hospital in turn	Clinical	

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6th Academic Year	11-month	0233216742	6-year Bachelor Degree Clinical Practice	/	45 weeks	45	Qilu and Provincial Hospital in turn; Other teaching hospital in other countries	Clerkship
	Semester 12	0233216842	Graduation Examination-Clinical Theory	/	20	0.5	School of Medicine	Graduation Examination
		0233216842	Graduation Examination-Clinical Practice	/	20	0.5	Institute of Diagnostics; Qilu Hospital	Graduation Examination

Assessment

- Assessment time

End of 2nd semester Results released on line

Beginning of 1st semester of new academic year Final Decision released

- Assessment method

1. Awards

1) Scholarship

Calculation Method

Ranking according to the total original marks of annual courses (marks of make up\restudy could not be used for scholarship)

Scholarship Availability 15%*Annual numbers of grade

Scholarship grades

	1 st Scholarship	2 nd Scholarship	3 rd Scholarship	Note
No more than 5 students	1 candidate	1 candidate	Candidates left who are qualified	1) It could be put off in turn if the candidates have the same ranking; 2) Candidate who has received warning paper or has criminal records is unqualified
More than 5 students	1 candidate	2 candidates	Candidates left who are qualified	

- 2) Perfect Attendance and Good Performance $\leq 15\%$ *Annual numbers of grade
- 3) Excellent CR 2-3 CR from all grades
- 4) Excellent Graduate

Candidate who is awarded 1st scholarship for 4 years; Candidate who performed excellent in academic research or activities

2. Elimination system

Campus Study	Annual Credits	Minimum Credits (Qualification)	Calculation Method	Note
1 st year	20	End of 1 st year: 7	$7 = 20 * 35\%$	1) Student who could not get minimum credits has to leave the university and will not be accepted again; 2) Warning and Degrading is canceled
2 nd year	22.5	End of 2 nd year: 19	$19 = (20+22.5) * 45\%$	
3 rd year	35.5	End of 3 rd year: 43	$43 = (20+22.5+35.5) * 55\%$	
4 th year	33.5	End of 4 th year: 72	$72 = (20+22.5+35.5+33.5) * 65\%$	
5 th year	33.5	End of 5 th year: 102	$102 = (20+22.5+35.5+33.5+33.5) * 70\%$	
6 th year	/	End of 6 th year: 123	$123 = (20+22.5+35.5+33.5+33.5) * 85\%$	
7 th year	/	End of 7 th year: 138	$138 = (20+22.5+35.5+33.5+33.5) * 95\%$	
8 th year	/	End of 8 th year: 145	$145 = (20+22.5+35.5+33.5+33.5) * 100\%$	
Clinical rotation	/	1) Complete 138 credits; 2) Finish exams of internal medicine, surgery, gynecology & obstetrics and pediatrics	$138 = (20+22.5+34.5+33.5+33.5) * 95\%$	1) Chinese (or Medical Chinese) and elective courses are not included in the calculating; 2) Student unqualified has to attend normal exams with junior grades before leaving
Graduation	/	1) Complete 145 credits; 2) Finish elective courses(more than 8 credits); 3) Pass Chinese and Medical	$145 = (24.5+34+38.5+35.5) * 100\%$	1) Student unqualified has to re-do the clinical rotation in Qilu Hospital or Provincial Hospital; 2) Student who hasn't complete 145 credits before graduation exams has

		Chinese exam; 4) Finish clinical rotation; 5) Pass graduation exams; 6) SA students have to pass Forensic medicine		to attend normal exams with junior grades before leaving 3) The maximum length of studying is 8 years. Student who could not qualify for the graduation in 8 years won't get the degree from the university.
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Notes:

1. Make up exams

Student has to register for in teaching office at beginning of each semester.

Type	Applies to	Taking Exams with	Pay or Not	Final marks	Note
1) Make up for leaving	student who was sick or left for personal affair and has asked leaving from teaching office	Lower grade	Free	Paper marks transferred to 100-point system	/
2) Make up for fail or absent	student who failed, or was absent without any reason in exam	Lower grade	Pay according to the credits of the course	60	/

3) Exam of higher grades	Any student	Higher grades	Free	Paper marks transferred to 100-point system	Students from Grade 2014 (including students degrading or re-enrolling in grade 2014) are allowed to choose extra credits (≤ 40, coming from higher grades) every academic year
4) Rewrite the exam	student who is not satisfied with the marks	Lower grade	Pay according to the credits of the course	Paper marks transferred to 100-point system	/

Note: If you chose the higher grade's exam and failed, you have to both attend the class and register for the make up and pay according to the credits. The highest mark will be only 60. If you refuse to attend the class, you would lose the chance to take the exam because of poor attendance.

2. Clinical Rotation

Documents for Clinical Rotation

Items	Content	Certifying Unit	Note
1) NOC Letter	to allow the student to take clinical rotation in any teaching hospital	Teaching office, SUSM	/
2) Clinical Rotation Certificate	to certify that it is an accurate account of the named individual's official records maintained in the hospital	Teaching office, SUSM	1) finished, signed and stamped by authorized officials in hospital; 2) handed into teaching office after

			clinical rotation
3) Provisional Certificate	to certify the information about the student's status	Teaching office, SUSM	/
4) Clinical rotation transcript	all the required courses' marks	Teaching office, SUSM	/
5) Outline book of Clinical rotation	records of clinical rotation in the departments required	Teaching office, SUSM	1) marked and signed by the clinical teachers; 2) can be copied if lost; 3) handed into teaching office after clinical rotation with photo on the cover

3. Graduation

Process	Content	Note
1) Registration	1) paying for graduation fees to international affair department; 2) handing clinical rotation outline book and certificate into SUSM; 3) getting direction and schedule of graduation from SUSM	Entry-exit records on passport will be checked
2) Graduation exams	1) Theory exams: Internal medicine, Surgery, Gynecology & Obstetrics and Pediatrics; 2) Practical exam	Student fails in theory or practical will be disqualified and has to re-do

		the clinical rotation
3) Documents for Graduation		
(1) Clinical Rotation Certificate	Certified by SUSM	/
(2) Graduation transcript	Certified by SUSM	/
(3) Notarization	Executed by the notary public	Deal with by CR together
5) Graduation ceremony	Organized by international affair department or School of Medicine	/

4. Certificates from SUSM

Items	Content	Pay or Not	Note
1) Transcript			
Annual transcript	Marks of the exams in an academic year	N/A	Only for regular exams
Clinical rotation transcript	Marks of all the courses required for clinical rotation	N/A	Latest marks
Graduation transcript	Marks of all the courses required for graduation	Free for the original; charged if lost	Latest marks
Promotion transcript	Marks of all the courses required for promotion	N/A	Original marks
Other transcript	Marks of the exams required	N/A	/
2) Certificate			
NOC Letter	to allow the student to take clinical rotation in any teaching hospital	N/A	/
Clinical Rotation Certificate	to certify that it is an accurate account of the named	N/A	Handed into SUSM

(before clinical rotation)	individual's official records maintained in the hospital		
Clinical Rotation Certificate (after clinical rotation)	to certify that the named individual has completed the clinical rotation	N/A	/

5. Schedule and Direction

Schedule	Released time
1) Schedule of new semester	Final exam week before winter vacation
2) Schedule of annual assessment	Final exam week before winter vacation
3) Schedule of annual scholarship ceremony	before spring scholarship ceremony
4) Schedule of clinical rotation	before clinical rotation
5) Schedule of graduation	before graduation
Direction	
1) Direction of clinical rotation	before clinical rotation
2) Direction of graduation	before graduation

Contact

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- Websites

Shandong University <http://en.sdu.edu.cn/>

School of Medicine <http://www.mbbs.sdu.edu.cn/english/>

AOTU <http://www.mbbs.sdu.edu.cn/> (Very Important)

- Results inquiry Personal Info System <http://1.51.216.10/>

All the above information may be adjusted and will be updated by AOTU.