

Embedding in Chinese curricula and future use



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Experiences in teaching EDEMTET courses and future plans

Guangxi Medical University evidence-based treatment planning April 16th ,2024

Qin Yuan



Experiences in teaching EDEMTET courses



Evide 2024

	courses	e Based Dentistry 医学 sed Oral Medicine 学临床案例课 2024.9-2025.1 16 sed Orthodontics 科临床案例课 sed Prothodontics 2024.9-2025.1 16	Credit	
vidence-based Practice 1- 224 Clinical Reasoning 1-2024 Evidence-based Practice 2- 2024 Co to course Go to course Go to course	Evidence Based Dentistry 循证口腔医学	2023.9-2024.1	16	1.0
	Case-based Oral Medicine 口腔内科学临床案例课	2024.9-2025.1	16	1.0
Linical Reasoning2-2024 Exit test 2024	Evidence Based Dentistry 循证口腔医学2023.9-2024.1161.0Case-based Oral Medicine 口腔内科学临床案例课2024.9-2025.1161.0Case-based Orthodontics 口腔正畸科临床案例课2024.9-2025.1161.0Case-based Prothodontics 口腔修复学临床案例课2024.9-2025.1161.0Case-based Oral maxillofacial surgery 口腔颌面外科临床案例课2024.9-2025.1161.0Multi-disciplinary Case Discussion2024.9-2025.1161.0	1.0		
Go to course		2024.9-2025.1	16	1.0
	surgery	2024.9-2025.1	16	1.0
		2024.9-2025.1	16	1.0

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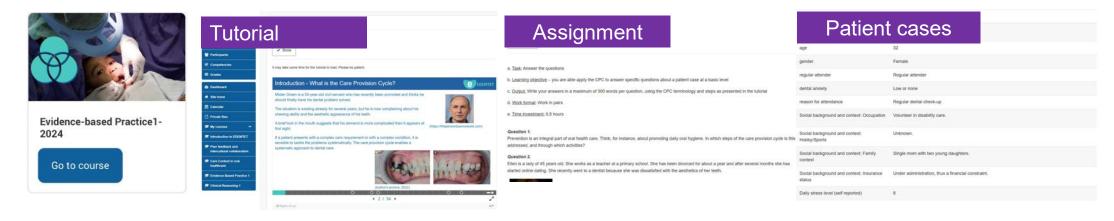
EDEMTET



EDEMTET in Guangxi Medical university

courses	Curricula time	Hours	Credit
Evidence Based Dentistry 循证口腔医学	2023.9-2024.1	16	1.0

1st year Professional master students 34 students EBP1 in September and October 2023





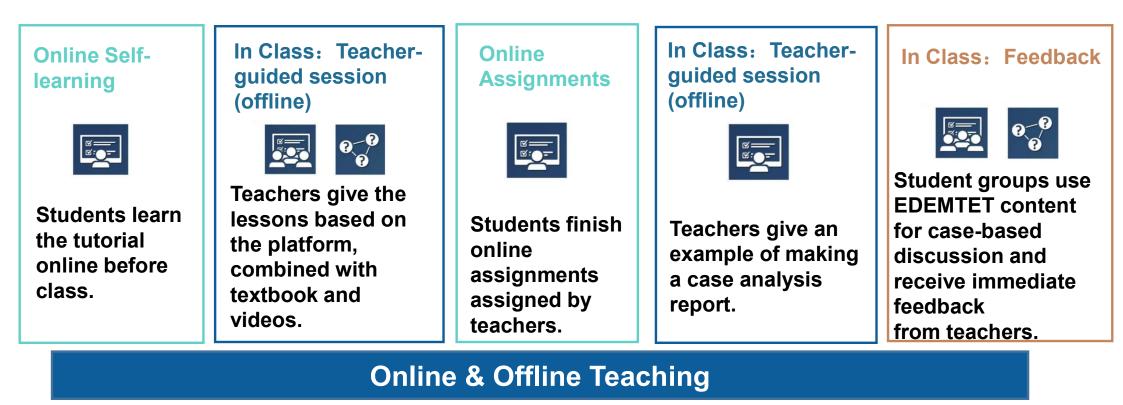
EDEMTET in Guangxi Medical university

• Teaching schedule

	日期 Date				教师 Teachers	教学 对象 Student	
ſ	9.18	2	理论	绪论 :循证口腔医学简介 Introduction to EBP	李 晓婕、覃媛		
	9.26	2	理论	临床科研设计(Study designs in clinical medicine and dentistry research)	王家烯		Theoretical
	10.8	2	理论	循证医学实践步骤(Evidence Based Practice,EBP)	刘露	2023 级口腔医学	lessons
	10.11	2	理论	医学文献批判性评估(Critical Appraisal Topics,CAT)	唐弈遥	专业学位硕士研究生	
ſ	10.17	4	实验	EBP实践操作 Case report by teachers	李 晓婕、覃媛		Practice
l	10.24	4	实验	· · · · · · ·	李 晓婕、覃媛、王家 烯、刘露、唐弈遥		lessons

EDEMTET in Guangxi Medical university

• Teaching Method





EDEMTET in Guangxi Medical university

• **Teaching Method** : Based on this platform, combined with textbooks and related videos





EDEMTET in Guangxi Medical university

• Group lesson preparation





Before each class, teachers prepared lessons together and discussed the key and difficult points of teaching, teaching methods and assignments.



EDEMTET in Guangxi Medical university

• Case analysis report



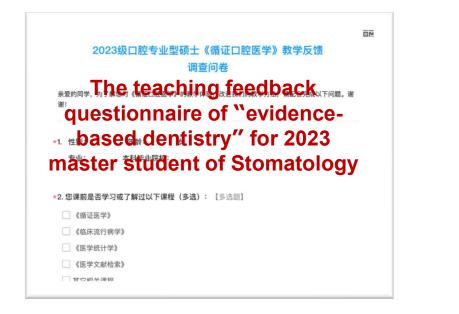
In the last class, each group will report on the case analysis.

All teachers participated and give the feedback in class.



EDEMTET in Guangxi Medical university

• Teaching feedback questionnaire





Teaching feedback questionnaire was conducted on the final lesson.



EDEMTET in Guangxi Medical university

• Implementation Assurance: staff availability

Management

Teaching steering committee: 4 college leaders(Former dean Chen Wenxia, Dean Liao Hongbing, Vice dean Liang Feixin, Vice dean Tao Renchuan

Administration

Teaching administrative department: 2 office director (Xu Ying&Chen Jin)

Teachers

Teaching group: 1 Course manager (Li Xiaojie), 1 Course secretary (Qin Yuan) 3 teachers(Wang Jiaxi, Tang Yiyao, Liu Lu)

Technical support

1 staff (Gan Youhong)





1.EDEMTET in Guangxi Medical university

 Evidence Based Dentistry have been included in the "Program for Master's Professional Degree in Stomatology of Guangxi Medical University", and has been set as compulsory courses.





What went well? What could be improved?

What went well?



Useful funtionalities

Case data	base		Assignments				
EDEMTET Home		a ton to	EDEMTET Home	Q Q ⁰ D av			
 ✓ General Announcements ✓ Patient case filters/view Ø Patientcases sandbox ✓ Assignments Template Treatment Pla Ø Assignment EBP with Ge Patient case 0000 with s 	Home / My courses / Library / Patient case filters/viewer/template Patientcases sandbox Mark as done Patientcases sandbox patient case ID		 2.2: Assignment: introdu 3. Study designs 3.1 Study Designs in Clin 3.2 Assignment: Study d 3.3 Assignment: Researc 4. Evidence-based Pract 4.1 Evidence-based Pract 4.1 Evidence-based Pract 4.1 Evidence-based Pract 	Evidence-based Practice 1 International Sector 2 Sector			
Integrative assignment E CR patient case 0003 CR patient case 0004 EBP patient case 0005 Tutorials - please allow s O EDEMTET eCampus intr	Dental area Cariology Paediatrics Periodontology Implantology Endodontics	Oral surgery Orthodontics Oral facial pain Dental radiology Gerondontology	 4.3 Assignment: EBP ste 5. Critical Appraisal of a T 5.1 An introduction to Cri 5.1 Tutorial: An introduct 5.2 Assignment: An intro 6. Integrative patient cas 	 a. Learning objectives: can execute all steps of the EBP at basic level b. Task: Apply the EBP steps to the following situation: A toothpaste smile Ellen (63 yrs) shows you the effect of bleaching teeth in an article in a gossip magazine. Of course, the 'before' and 'after' photographs in the article are very convincing. Ellen thinks that this technique may suit her, but has some hesitations 			

EDEMTET

1.EDEMTET in Guangxi Medical university (in the current academic year)

Collaboration in Group Assignments



Collaboration in pairs and in groups(5-6 students) was seen as convenient and beneficial to the learning process by all participants.

第8题 您更喜欢用哪一种方式完成病例分析作业 Which form do you prefer to f		case analysis assignment?
选项	小计	比例
单独完成	6	18.18%
小组合作完成	27	81.82%
本题有效填写人次	33	

According to the feedback of students and the questionnaire, Students like this kind of class and examination form.



1. Is it possible to design a questionnaire for teachers (as more teachers will join in the future, we can get different feedback from teachers)?

2. The grouping setup is somewhat complicated. Whether it can be simplified, or make a guide manual



Future plans in using EDEMTET courses and materials



Improvements to the EBP curriculum

Professional master students + Resident training students

Teaching Methods

Target Group

According to the feedback of students, the class hour will be adjusted.

Teaching materials Based on the feedback of students and the teaching experience in the last year, the teaching materials of difficult content will be supplemented



Case analysis lessons for Resident training students

In the second year of residency study, eCampus will be integrated into the case analysis lessons of each residency rotation department





Further use in ASEAN students

教育部学位与研究生教育发展中心

学位中心函〔2024〕8号

关于反馈 2023 年度主题案例立项结果的函

广西医科大学:

2023 年 12 月, 教育部学位与研究生教育发展中心面向 全国研究生培养单位开展主题案例征集工作, 扎根中国大地, 聚焦时代热点, 汇聚各方力量, 开发具有时代性、引领性、 学理性、创新性的高质量案例。经过"单位审核推荐""专 家分组评议""案例专家委审核"三级评议审核及结果公示, 你校共有 2 项选题入围, 其中"区域协调发展"主题 1 项, "走出去"主题 1 项, 详细清单附后。

项目将于2024年7月开展中期交流,10月启动结项验 收,具体安排另行通知。请组织并支持各首席专家团队推动 项目实施,产出高质量案例成果。

感谢对中国专业学位案例建设事业的支持!



Center for Degree and Graduate Education Development, Ministry of Education 2023 Theme Case



Application of EDEMTET in improving the clinical thinking and evidence-based medicine ability of prosthodontics among dental graduate students in ASEAN countries 1.There are 23 international students attending this meeting. They are from Vietnam, Nepal, India, Peru, Myanmar, Laos and Cambodia.

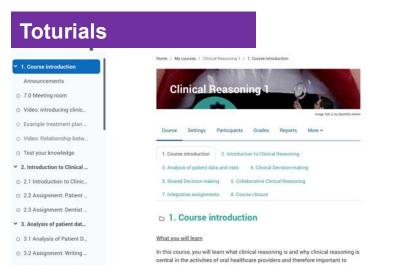
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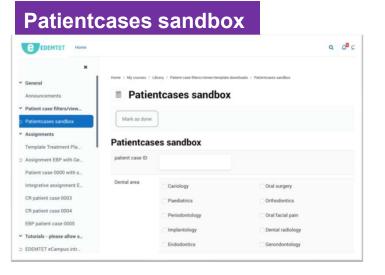
2. We plan to enroll ASEAN students in subsequent teaching plan and let them study together with Chinese students.



Case analysis class for 5th grade undergraduate

- 1. During the internship stage of the fifth year of undergraduate students, there are regular small lectures on case analysis
- 2. eCampus related content and case database will be used to combine with the original case analysis course







Further use in combination with the smart classroom in the engineering center

We are building a dental smart classroom. The smart classroom aims to apply "virtual simulation technology" in the experimental teaching of various subjects. There is one virtual patient case database and one situation clinical thinking test and teaching system.



eCampus has case database based on real cases and it is designed to develop clinical thinking skills.

We plan to combine the two system in future teaching.







YOU



多学科团队合作学习和 循证医学为基础制定治 疗计划的牙科教育数字 校园项目

eCampus for Dental Education supporting multidisciplinary team-based learning and evidence-based treatment planning



Co-funded by the Erasmus+ Programme of the European Union





多学科团队合作学习和 循证医学为基础制定治 疗计划的牙科教育数字 校园项目

eCampus for Dental Education supporting multidisciplinary team-based learning and evidence-based treatment planning

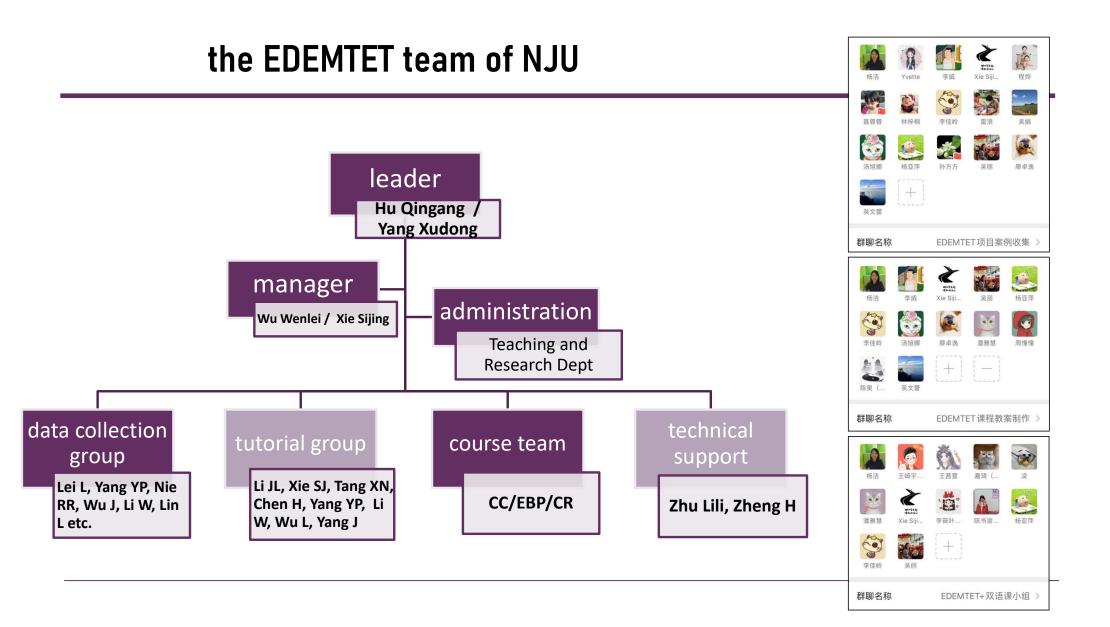


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Future Use of EDEMTET



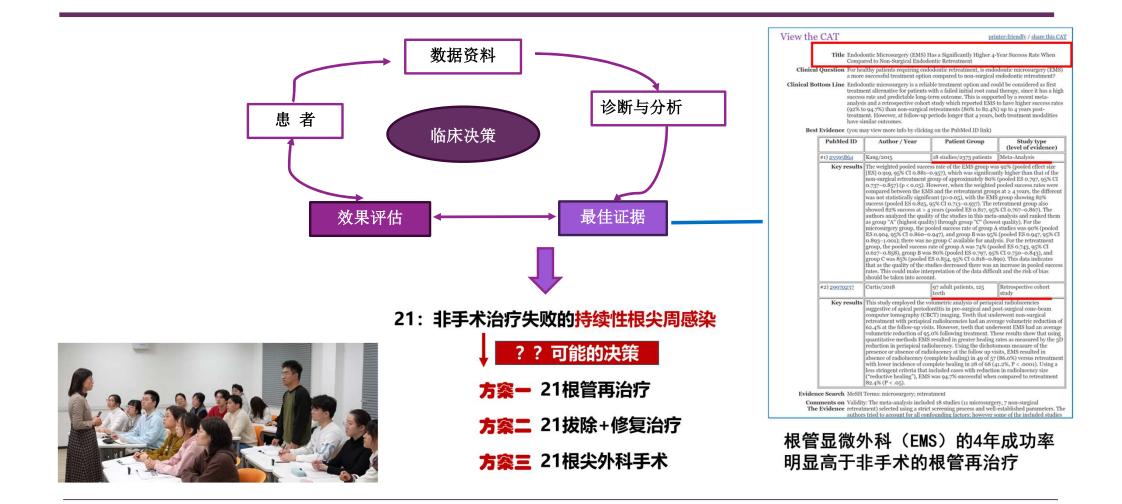
Sijing Xie Apr. 16 2024



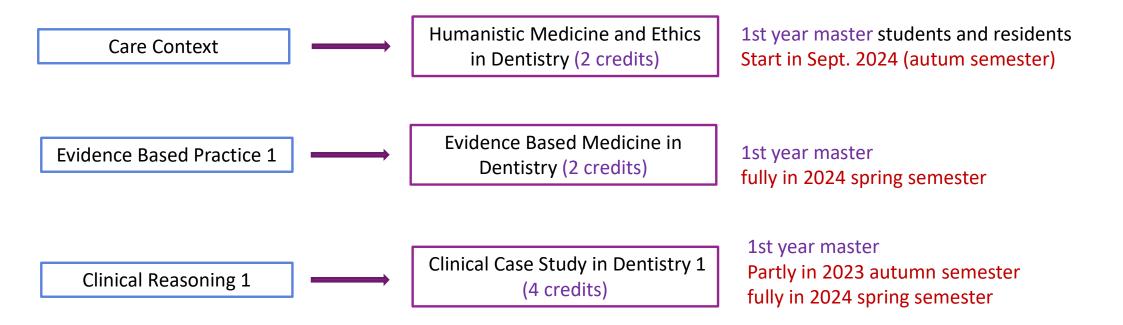
Future use & Educational follow up activities, NJU idea

- 1. Academic degree education in Nanjing University
- 2. Education for residents
- 3. Continued Education for young dentists

- 1. EDEMTET has be partly inserted in the course of Endodotics for Undergraduate students
 - ✓ Partial Chapters content of 5 courses, learning
 - analysis methods
 - ✓ fourth-year undergraduate course
 - ✓ fifth-year internship



2. 3 courses were inserted in the curriculum for postgraduate students and residents.



Clinical Case Study in Dentistry

	Date	Content	Teacher
3	3.13	Introduction of clinical reasoning and EDEMTET (Off line)	Yaping Yang
4	3.20	Principles and methods of oral photography (Offline)	Peng Wang
5	3.27	Critical Appraisal of a Topic (CAT) (On line)	Xuna Tang
6	4.3	Care provision cycle (On line)	Lin Lin
7	4.10	Collection and processing of Oral clinical picture data (Offline)	Peng Wang
8	4.17	Analysis of patient data and risks (On line)	Jie Yang
9	4.24	Clinical Decision-making (On line)	Yaping Yang
10	5.8	Shared Decision-making (On line)	Yaping Yang
11	5.15	Collaborative Clinical reasoning (On line)	Lin Lin
12	5.22	Feedback, Q&A (Offline)	Teachers Group
13	5.29	Flipped Classroom 1 (Single Subject/Simple Case) (Offline)	Orthodontics—Jialing LI, Guifeng LI Endodontics—Xuna Tang, Yaping Yang Oral Surgery & Radiology —Wei Li, Zitong Lin Prosthodontics—Lei Zhang, Yang Cao Periodontics—Juan Wu, Jie Yang
14	6.5	Flipped Classroom 2 (Complex Case) (Offline)	Group 1: Jialing LI, Xuna Tang, Wei Li, Lei Zhang, Jie Yang Group 2: Guifeng LI, Yaping Yang, Zitong Lin, Yang Cao, Juan Wu

Evidence Based Medicine in Dentistry

_	202	23 级三年制、202 3 级专辑 实习组数			牧村	《循证医学》 版 人民卫生		<u>课程</u> 计划		拉循证医学 (:33 実事	
		PPT #7			\$\$ 45 AS	社 《諸证口腔》 第3版人民 出版社				//	
M	環 论							3 ;		貌	
次	日 均 72 均	内容	节次	投课 教师	职称	日期	内	容	节次	授课 老师	职称
3	3.13 星期三	绪论/循证医 学问题构建	6-8	余小金 (卢策)	副教授 助教						
4	3.20 星期三	证据与循证文 献检索	6-8	余小金 (卢策)	副教授	~					
5	3.27 从则三	临床证据分级 与评价	6-8	李佳岭 (声策)	副主 f 医师/ 教						
6	4.3 星期三	患者价值观和 循证临床实践	6-8	李佳崎 () ⁵ 策)	副主(医师/) 教	20 C					
7	4.10 星期三	系统评价概述	6-8	温悟婷 (-6.悲坡)	副教授	S					
8	4.17 星期三	Meta 分析及 统计学问题 1	6-8	温絶婷 (艾晓倩)	副教授	S					
9	4.24 星明三	Meta 分析及 统计学问题 2	6-8	温絶勞 (艾晓倩)	副教授	S					
ш						5.8 尾頭	1.1	血分析 雇用 1	6-8	温絶婷 (艾晓倩)	副教授/助 教
12						5.15 5.19		ta 分析 1所用 2	6-8	温艳婷 (艾晓倩)	副教授/助 教
13						5. 22 \st.ml	(43	阿分析 转课 堂)	6-8	温艳婷 李佳岭 (毛慧敏)	副教授/ 證 主任医师/ 助教
14	5.29 星明三	间接比较与网 状 meta 分析	6-8	余小金 (李磊)	副教士	S					
15	6.5 捉別三	剂量反应研究 的系统评价与 meta 分析	6-8	余小金 (李喆)	刷教ł 助教	S					

2. Summer school for graduate student in 2023

- About 50 students from 29 universities participated in the summer school
- WHU, GXMU, Zhejiang University, Shanghai Jiao Tong University, and Xi'an Jiao Tong University, et al from different provinces





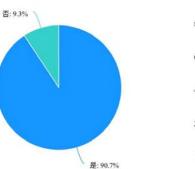
Questionnaire after summer school

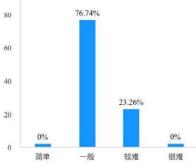


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appropriate to use English version?

the difficulty of the course ?





Questionnaire about EBP1 and Clinical Reasoning 1 from 94 students

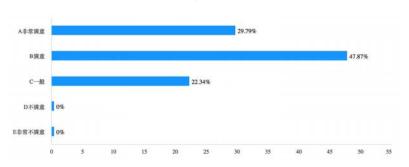
- 1st-year postgraduate students for master, 50
- 1st-year residents, 39
- 1st-year postgraduate students for DDS, 5

Background

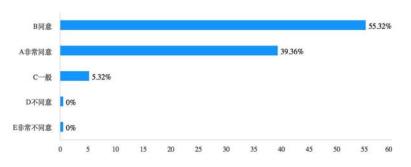
- 36% of the students had the experience of the course EBP
- •
- 67% of the students had the experience of the course Epidemiology
- •
- 92% of the students had the experience of the course Medlical Statistics

Research on EDEMTET data

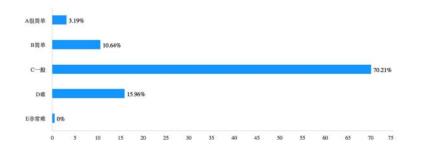
About the courses in EDEMTET



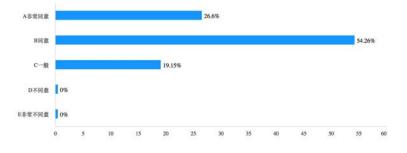
The scientificity of course content



The difficulty of course content

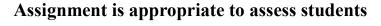


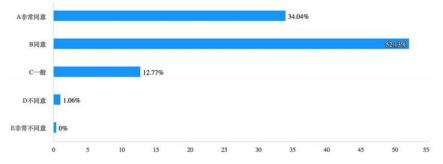
The closely between course and clinical question



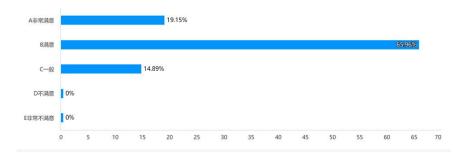
The rich of course resources

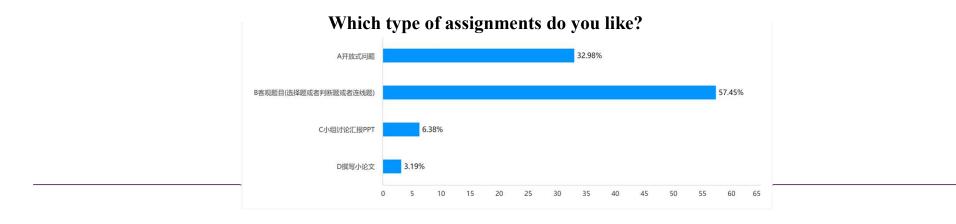
About the assignments in EDEMTET



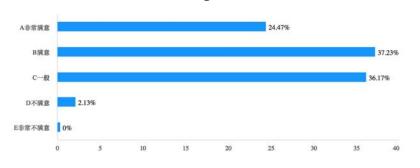


Do you like the open assignments?



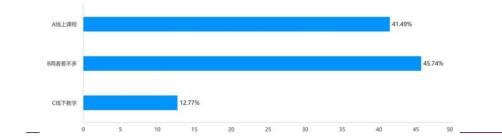


About the platform in EDEMTET

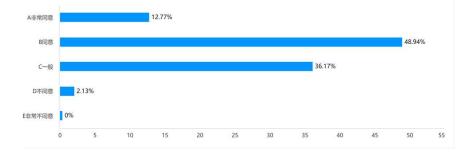


The convenience of platform

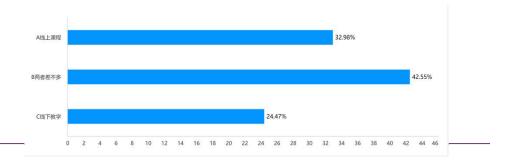
Which learning style do you like, on-line or off-line?



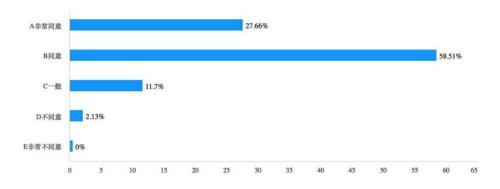
Do you like learning on the platform?



Which learning style do you think more effective, on-line or off-line?

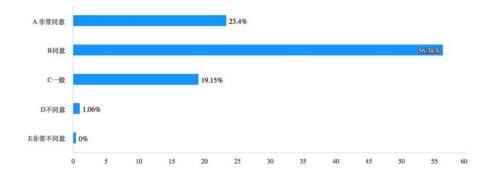


About the effect of EDEMTET

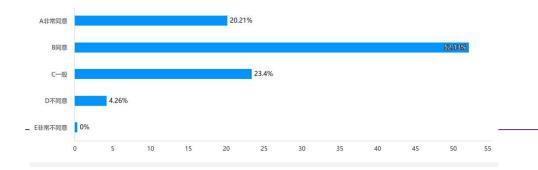


self-learning ability

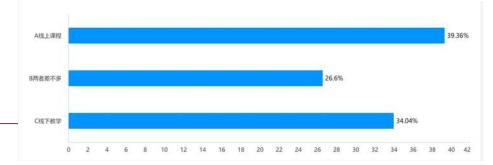
the ability to analyze and solve clinical problems



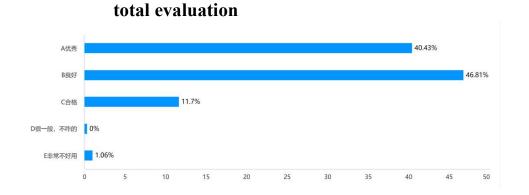
cooperative ability



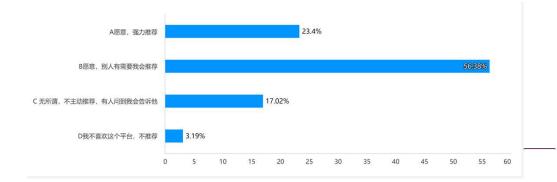
concentration on the course

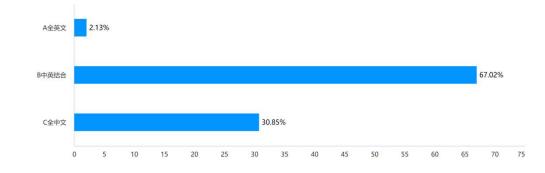


Total evaluation



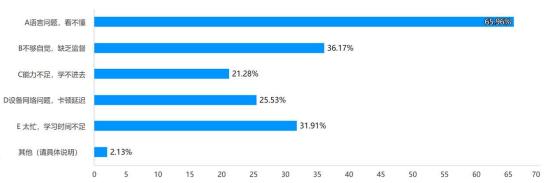
Do you want to recommend EDEMTET to the other students?





personalized difficulties

about the language



Your suggestions

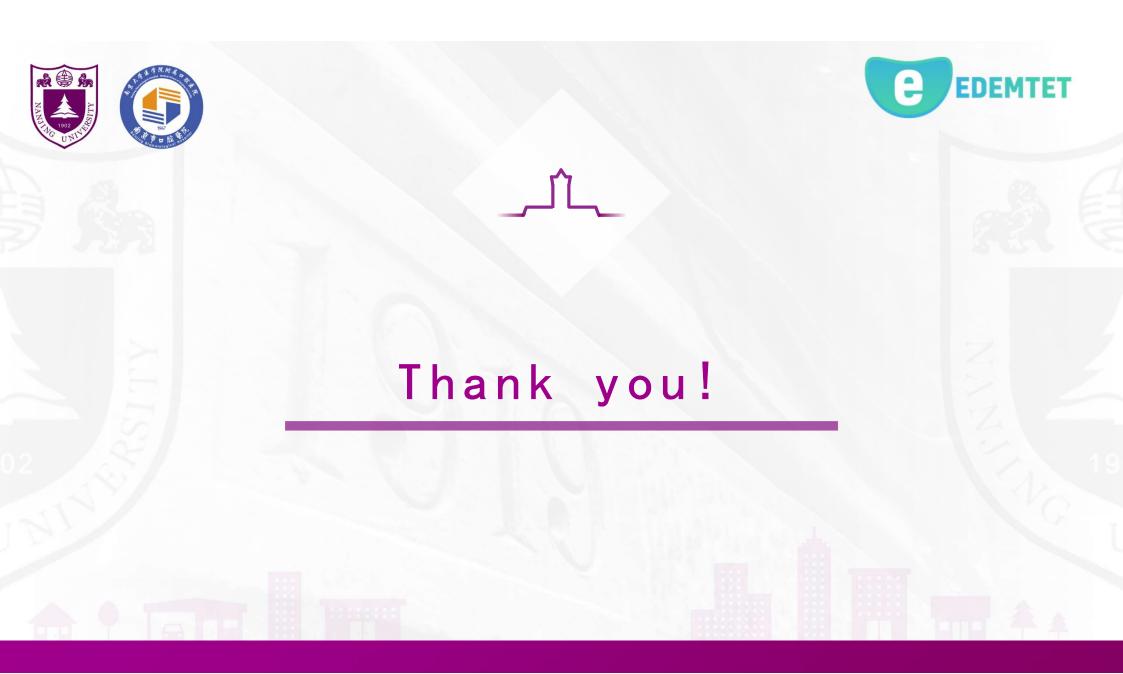


- Teaching Workshop and teacher training
- Annual Summer School in Jiangsu Province
- Dissemination in the partners in Jiangsu Provincial Association of Postgraduate

education in Stomatology, and also the other universities or dental resident training

basements in East China

- Nursing
- Oral hygienist
- Other new course
- Summer school, international, EBP, feedback





多学科团队合作学习和 循证医学为基础制定治 疗计划的牙科教育数字 校园项目

eCampus for Dental Education supporting multidisciplinary team-based learning and evidence-based treatment planning

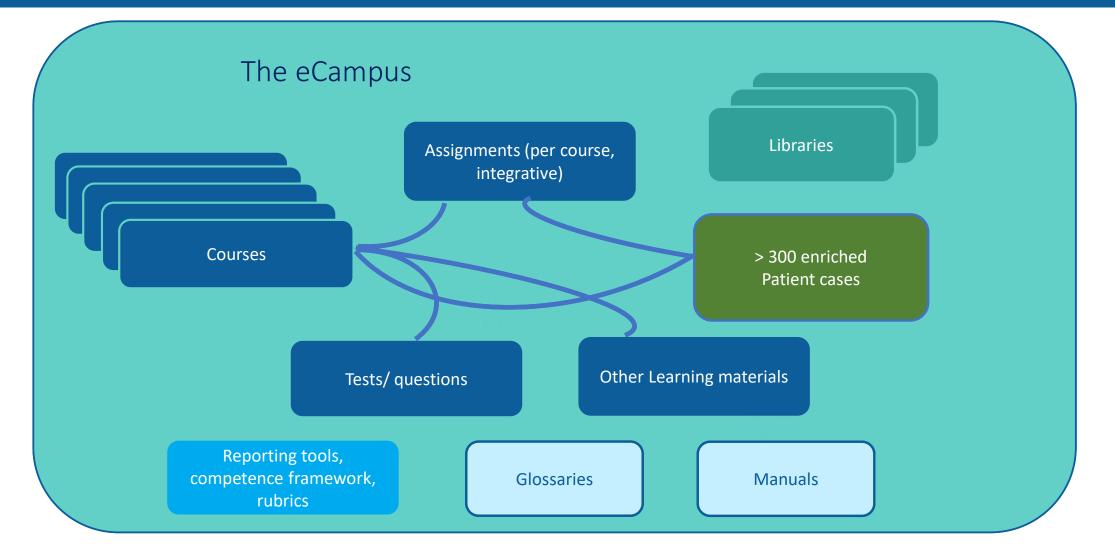


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EDEMTET Radboud University Future Use, Impact, Sustainability 16 April 2024

Future Use general



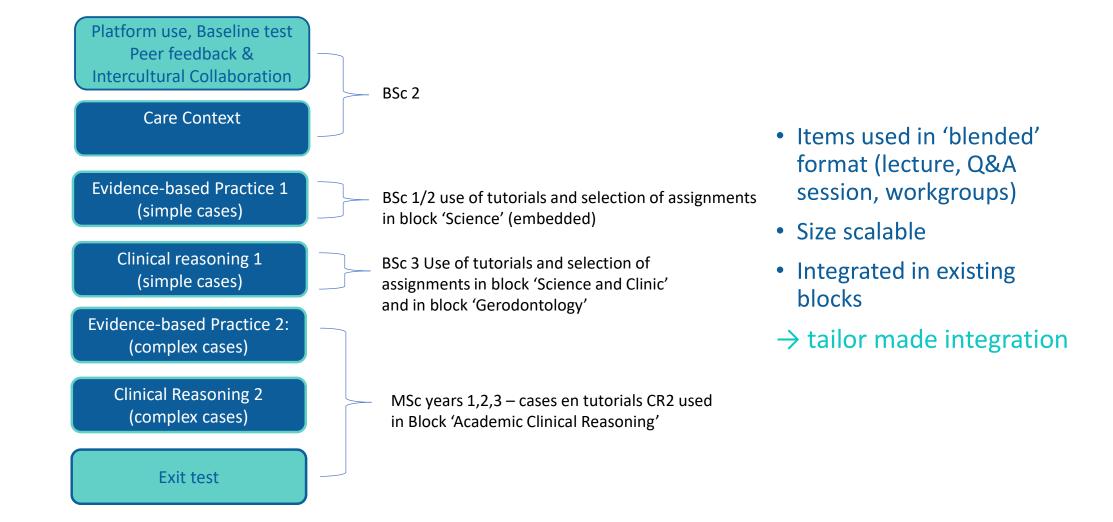


Future use general



Course	when	Use how	Study load (hrs)
Introduction course	BSc2	Whole course in blend Introduction lecture, response & workgroups	20
Care context	BSc2	Whole course in blend	40
Evidence-based Practice 1	BSc 1,2	Parts of course in 'Science' block	40
Clinical Reasoning 1	BSc3	Whole course in 'Science & clinic' block, parts in Gerodontology block	80
Evidence-based Practice 2	MSc1	Parts of course in 'Science' block	40
Clinical Reasoning 2	MSc1,2,3	Parts of course in 'Academic Clinical Reasoning' block	20
Patient Cases	MSc1,2,3	Cases used in Course 'Academic Clinical Reasoning', discussed in teacher-led sessions	160

Future use: Embedding in Radboudumc curriculum 2024/25



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EDEM

Future use & follow up national



Collaboration extended to

- Other academic dental schools Amsterdam, Groningen
 - Sharing of patient cases, courses,
 - co-creation of new courses
- Oral hygienist educators
- Medical, nursing?

Actions:

• Joint proposals for further development



Future use & follow up international

Collaboration extended to

- Dental schools in Europe
 - In BSc MSc, post-academic, summerschools
 - All components or selected courses
 - Patient Cases
- Dental schools across the world:
 - internationalization@home
 - Summerschools
 - International classrooms?
- Further development of platform in joint projects?







EDEMT

- Can be used internally and externally; reach out to other Chinese and Asian dental schools
- Facilitates development of new learning paths and tailor-made learning materials; e.g. postgraduate courses, summer schools
- Facilitates international exchange (teacher and student exchange) and internationalization@home
- Reach out to **other disciplines** medicine, nursing
- Further development **extension of topics**
- Acquiring grants



Our most important impacts and achievements

Individual level

- Improved skills in & knowledge of
 - Evidence-based practice in dentistry
 - Clinical reasoning, decision-making, treatment planning
 - Novel teaching methods
 - Team-based learning, case-based learning
 - Dental care provision
- Professional development:
 - Improvement in 21st century skills
 - Enhanced life-long learning capacity
- Staff & students better networked nationally, internationally







Our most important impacts and achievements

EDEMTET

Institutional level

- Modernized curricula
- Improved educational quality
 - coherence, integrated approach, quality, quantity
- Improved potential for educational research
- Stronger international profile
- Extended and intensified networks
- > 100 students and teachers trained: Increased teaching capacity
- More effective deployment of teachers



Our most important impacts and achievements

EDEMTET

National and international level

• Established international networks, increased

contacts between

- students, teachers
- dental schools
- dental sectors (e.g. associations of dentists)
- Increased sustainability:
 - reusable, online learning materials
 - structure for internationalisation@home



Sustainability



- EDEMTET contribution to a sustainable curriculum:
 - Education aimed at transformation and change (not just knowledge), that is interactive and learner-centred with a strong emphasis on developing critical thinking skills

We help students develop a critical attitude to care provision and treatment planning

• Education for all and lifelong learning,

We offer flexible, adjustable, online courses suitable for lifelong learning

• **Systems thinking** (highlighting connections between environmental, economic, social and political systems)

We do so in our eCampus curriculum, teaching students how to take into account system aspects in care provision (esp. in clincial decision making and making treatment plans)

- Envisioning a better future through problem solving and critical thinking We particularly train clinical reasoning, critical thinking and problem solving skills
- EDEMTET eCampus and related materials will further increase curriculum sustainability through: increasing flexibility, digitalization of education, enabling easy reuse of educational learning materials



Preliminary Summary and Future Prospects

of EDEMTET eCampus











Course status of EDEMTET eCampus in WHUSS



Supervisors



Prof. Bian Zhuan



Prof. He Miao

Teacher team



Liang Shanshan Prosthodontics



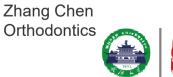
Lin Yuxiu Endodontics

6



Bu Linlin Maxillofacial Surgery









Assistant



Peng Mengdong Assistant

Research data



SCHOOL OF STOMATOLOGY WUHAN UNIVERSITY

3. Do you think studying in 4. Do you think studying in 5. Do you think studying in "EDEMTET" online platform is "EDEMTET" online platform is helpful "EDEMTET" online platform is helpful to your diagnostic thinking? to relieve your communication helpful to your critical thinking? apprehension? strongly agree strongly agree strongly agree agree agree agree undecided undecided undecided disagree disagree disagree strongly disagree strongly disagree strongly disagree

*course: Dentistry online course based on the International Electronic campus

Dissemination activities



- Application promotion in the central region of China.
- Teaching support for other dental schools.







武汉大学口腔医学院 SCHOOL OF STOMATOLOGY WUHAN UNIVERSITY







Funding supports of EDEMTET eCampus



- The funding from Hospital of Stomatology Wuhan University
- Key Projects from Wuhan University Degree and Graduate Education and Teaching Reform Research (2020,2024)

表1: 2020年武汉大学学位与研究生教育教学改革研究重点项目

培养单位	类别	项目名称	项目负责 人
口腔医学院	重点项目	支持多学科团队在线学习和循证治疗规划的 国际牙科教育电子校园建设	边专

2024年武汉大学学位与研究生教育教学改革研究拟立项项目

(重点项目)(排名不分先后)

培养单位	项目 申请人	项目名称
口腔医学院	何淼	基于国际牙科教育电子校园平台的"PCT" 教学模式在口腔医学专业学位研究生培养 中的探索与实践



Future use of EDEMTET eCampus



Types of students	When to start	Care Context in oral healthcare	Clinical Reasoning	Evidence Based Practice
Master (clinical)	1 st year	0.5 year	1 year	1 year
5+3 years degree	6 th year	1 year	1 year	1 year
8-years degree	5 th year	1 year	1 year	1.5 year
Doctor (clinical)	1 st year	0.5 year	1 year	1.5 year
Residents	1 st year	0.5 year	1 year	1 year



Further dissemination activities



Conference propaganda



Chinese Stomatological Association (CSA)

Annual Meeting of Dental Education Committee

The Union of Dental Education in Five Central Provinces





南京大学医学院口腔医学院 2022-2023 学年硕士课程安排

根据南京大学医学院口腔医学院 2022 年硕士研究生培养方案,硕士研究生需完成硕士阶段要求的课程,通过考核并修满至少 32 学分。

具体开设课程如下:

中文课程名称	Course	Credit	Class Hour	Timetable	EDEMTET relative information
英语	English courses for Master Candidates	4	72	2022.09.05- 2022.12.19	-
中国特色社会主义理论 与实践研究	Study on the Theory and Practice of Socialism with Chinese Characteristics	2	36	2022.09.05- 2022.12.19	-
自然辩证法概论或马克 思主义与社会科学方法 论或马克思主义原著选 读(三选一)	Dialectics of Nature OR Marxism and Methodology of Social Sciences OR Selected readings of Marxist Classics (one out of three)	1	18	2022.09.05- 2022.12.19	-
口腔医学统计学	Stomatology statistics	2	32	2022.09.05- 2022.12.19	EDEMTET patient cases and EDEMTET team-based learning will be applied
口腔循证医学	Evidence based Practice	2	32	2023.02.13- 2023.06.12	Full EDEMTET course
口腔生物材料研究与应 用	Research methods and application on oral biomaterials	2	32	2022.09.05- 2022.12.19	-
口腔临床研究与设计	Medical Research Design on Dentistry	2	32	2023.02.13- 2023.06.12	EDEMTET patient cases and EDEMTET team-based learning will be applied
口腔生物学	Oral biology	2	32	2022.09.05- 2022.12.19	-
口腔医学人文学概论	Care Context	2	32	2022.09.05- 2022.12.19	Full EDEMTET course
口腔临床技能模拟训练	Simulative Training of Dentistry	4	96	2022.09.05- 2023.06.12	-
口腔临床案例分析	Case-based learning on dentistry	2	32	2023.02.13- 2023.06.12	EDEMTET patient cases and EDEMTET team-based learning will be applied
口腔疾病临床诊断与治 疗	Clinical diagnosis and treatment of dentistry	3	48	2022.09.05- 2022.12.19	EDEMTET patient cases and EDEMTET team-based learning will be applied
口腔医学科研方法与基 本技术	Research methods and basic techniques of stomatology	2	32	2023.02.13- 2023.06.12	-
医学法学	Medical law	1	8	2023.02.13- 2023.06.12	-
重点传染病防治	Prevention and control of infectious diseases	1	8	2023.02.13- 2023.06.12	-

南京大学医学院附属口腔医院

教学进度表

2023 至 2024 学年第二学期

听课人	数	<u>三年制、规培</u> 班 实习组数 每组人数 线上+线下	教材 教材 ht	《中国口腔医学 《续教育杂志》 tps://dentalscho ol.edemtet.eu/	课程 计划时数 理论	实验
			理	论		
Week	Date	Content	Teacher			
3	3.13	Introduction of clinical reasoning and EDEMTET (Off line)	Yaping Yang			
4	3.20	Principles and methods of oral photography (Off line)	Peng Wang			
5	3. 27	Critical Appraisal of a Topic (CAT) (线上) (https://dentalschool .edemtet.eu/course/vi ew.php?id=7§ionid =156)	Xuna Tang			
6	4. 3	Care provision cycle (线上) (https://dentalschool .edemtet.eu/course/vi ew.php?id=14§ioni d=203)	Lin Lin			
7	4.10	Collection and processing of Oral clinical picture data (Off line)	Peng Wang			
8	4.17	Analysis of patient data and risks (线上) (https://dentalschoo l.edemtet.eu/course/v iew.php?id=8§ioni d=133)	Jie Yang			

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Periodontics—Juan Wu、Jie Yang 14 6.5 Flipped Classroom 2 (Complex Case) (Off line) Group 1: Jialing LI、Xuna Tang、Wei Li、Lei Zhang、Jie Yang Group 2: Guifeng LI、Yaping Yang、Zitong Lin、Yang Cao、Juan Wu 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <t< td=""><td>13</td><td>5.29</td><td>(Single Subject/Simple</td><td>Oral Surgery & Radio</td><td>logy ——Wei Li, Zitong Lin</td></t<>	13	5.29	(Single Subject/Simple	Oral Surgery & Radio	logy ——Wei Li, Zitong Lin
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14 6.5 (Complex Case) (Off line) Group 2: Guifeng LI、Yaping Yang、Zitong Lin、Yang Cao、Juan Wu 10 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 11 1 1 1 12 1 1 1			Flipped Classroom 2	Group 1. Iialing LL, Xuna	Tang, Wei Li, Lei Zhang, Tie Yang
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实验见习负责教 师 教育科主任 审核 (月日)	讲课	负责教	7 师 著	牧研室主任	签 名 (月日)
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	际 木		宙核 (月日)	

1、 此表务请逐项填写,讲课、实习内容必须具体,实习如需放录象、电影、用显微镜以及其它条件,应在备注栏内注明,以 说 便统筹安排。

2、 填制一式三份在规定时间内交院教育科审核后,一份交医学院,一份留教育科并向学生公布,一份留教研室。

明 3、 上课地点: 默认声京大学医学院附属口腔医院 2 号楼 11 楼教学中心,若需在南大上课请在上表内容中注明。

4、 上课时间: 根据医院作息时间执行。

课程设置说明:本次课程安排综合线上和线下部分,既往课程和 edemtet 平台相结合。教师以辅导、答疑和引导为主。 课程不安排最后期末考试,以平时作业和平台记录活跃程度等作为参考。

- 1. 线上平台已有的作业,每次课后提交。线上课程的负责老师,负责该章节的答疑,作业收集和评分。
- 2. 摄影作业:每人提交,王鹏老师在第二次课时加以点评。
- 3. CAT 作业:汤老师提前布置,可在 5.22 日答疑课进行点评。
- 4. 第一次翻转课堂:同学们按专业方向分为5组,各专业两个老师就简单病例进行指导
- 第二次翻转课堂:同学们随机分为两组,所有任课老师分成两大组,每组含各科老师,选定复杂病例,
 课件翻译&思维导图制作:
 - A 组: Care provision cycle
 - B组: Analysis of patient data and risks
 - C 组: Clinical Decision-making
 - D 组: Shared Decision-making
 - E 组:Collaborative Clinical reasoning

课前准备:

- 1. 教师和学员确认,开通 edemtet 账号
- 2. 教师会议:课程安排最终确认。介绍 edemtet 平台基本内容。
- 3. 王鹏部分:建议第二节课加入一些各学科或不同病例的临床图片资料的收集规范
- 4. 线上课程负责老师:线上课程的负责老师,负责该章节的答疑,作业收集和评分
- 5. 翻转课堂老师:提前筛选合适的病例,熟悉课程内容核心

Course(Chinese)	Course (English)	Class Hour	Credit	Academic Year	Semester	Course Type	Teaching Form	Application of EDEMTET Resources
英语	English	32	2	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
自然 辩证 法	Dialectics of nature	16	1	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
医学统计学	Medical statistics	36	2	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
医学文献检索	Medical literature retrieval	18	1	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
预防医学与公共卫 生	Preventive medicine and public health	16	1	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
常 见和新发感染性疾 病防 治	Prevention and treatment of common and emerging infectious diseases	18	1	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
临床流行病 学	Clinical epidemiology	16	1	First Year	Fall(Sept.2022- Jan.2023)	Elective	online	
循 证医 学	Evidence-based medicine	16	1	First Year	Fall(Sept.2022- Jan.2023)	Elective	online	
口腔 颌面外科学基础 与临 床	Oral and maxillofacial surgery	16	1	First Year	Fall (Sept.2022- Jan.2023)	Compulsory	onsite	
口腔生物材料学	Oral biomaterials	16	1	First Year	Fall (Sept.2022- Jan.2023)	Compulsory	onsite	
牙合学	Occlusion	16	1	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
口腔种植学	Oral implantology	16	1	First Year	Fall (Sept.2022- Jan.2023)	Compulsory	onsite	

GXMU Postgraduate Curriculum in Dentistry

牙体牙髓病学	Endodontics	16	1	First Year	Fall (Sept.2022- Jan.2023)	Compulsory	onsite	
牙周病学	Periodontics	16	1	First Year	Fall (Sept.2022- Jan.2023)	Compulsory	onsite	
口腔黏膜病学	Oral mucosal diseases	16	1	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
口腔正畸生物学	Orthodontic biology	16	1	First Year	Fall(Sept.2022- Jan.2023)	Compulsory	onsite	
口腔组织病理学	Oral histopathology	16	1	First Year	Spring (March, 2023- Jun. 2023)	Compulsory	onsite	
口腔 颌面影像诊断 学	Oral and maxillofacial imaging diagnostics	16	1	First Year	Spring (March, 2023- Jun. 2023)	Compulsory	onsite	
科研伦理	Research ethics	16	1	First Year	Spring (March, 2023- Jun. 2023)	Compulsory	onsite	
论文写 作	Academic writing	16	1	First Year	Spring (March, 2023- Jun. 2023)	Compulsory	onsite	
口腔公共卫生	Oral public health	16	1	First Year	Spring (March, 2023- Jun. 2023)	Compulsory	onsite	Care Context(including tutorials,teaching coursewares, clinical cases, assignment, etc.)will be applied.
循 证口腔医 学	Evidence-based Practice	16	1	Second Year	Fall(Sept.2023- Jan.2024)	Compulsory	online	Full EDEMTET course
口腔修复学基础与临 床	Prosthodontics	16	1	Second Year	Fall(Sept.2023- Jan.2024)	Compulsory	onsite	
□腔颌面外科学新进 展	Research progress on oral and maxillofacial surgery	16	1	Second Year	Fall (Sept.2023- Jan.2024)	Compulsory	onsite	
牙体牙髓病学新进展	Research progress on Endodontics	16	1	Second Year	Fall(Sept.2023- Jan.2024)	Compulsory	onsite	

儿童口腔医学 进展	Research progress on Pediatric Dentistry	16	1	Second Year	Fall(Sept.2023- Jan.2024)	Compulsory	onsite	
口腔正畸学新进展	Research progress on orthodontics	16	1	Second Year	Fall(Sept.2023- Jan.2024)	Compulsory	onsite	
口腔正畸学基础与临 床	Orthodontics	16	1	Second Year	Fall(Sept.2023- Jan.2024)	Compulsory	onsite	
□ 腔 颌面外科学临床 案例课	Cases discussion on oral and maxillofacial surgery	16	1	Second Year	Spring (March, 2024- Jun. 2024)	Compulsory	onsite+online	Clinical reasoning (including tutorials,teaching coursewares, clinical cases, assignment, etc.)will be applied.
口腔修复学 临床案例 课	Cases discussion on prosthodontics	16	1	Second Year	Spring (March, 2024- Jun. 2024)	Compulsory	onsite+online	Clinical reasoning (including tutorials,teaching coursewares, clinical cases, assignment, etc.)will be applied.
椅旁数字化修复实践	Practice of Chair-side digitized dental restoration	16	1	Second Year	Spring (March, 2024- Jun. 2024)	Compulsory	onsite	
口腔内科学 临床案例 课	Cases discussion on oral medicine	16	1	Second Year	Spring (March, 2024- Jun. 2024)	Compulsory	onsite+online	Clinical reasoning (including tutorials,teaching coursewares, clinical cases, assignment, etc.)will be applied.
口腔正畸科 临床案例 课	Cases discussion on orthodontics	16	1	Second Year	Spring (March, 2024- Jun. 2024)	Compulsory	onsite+online	Clinical reasoning (including tutorials,teaching coursewares, clinical cases, assignment, etc.)will be applied.
多学科 联合病例讨论 课	Multidisciplinary cases discussion	16	1	Second Year	Spring (March, 2024- Jun. 2024)	Compulsory	onsite+online	Clinical reasoning (including tutorials,teaching coursewares, clinical cases, assignment, etc.)will be applied.

EDEMTET Course certificate

Master Education

Master Degree Program: There are 76 supervisors for master degree candidates, and disciplines include Oral and Maxillofacial Surgery, Periodontics, Endodontics, Oral Medicine, Pediatric Dentistry, Orthodontics, Prosthodontics, Implantology, Dental materials, Oral Histopathology, etc. Approximately 120 students are recruited every year. Two types of Master degree are available, including research-based and training-based ones.

Training Objective: To cultivate highly qualified talents with excellent professional skills to be competent in science research, teaching and clinical services. The training duration is 3 years. The total number of credits for academic master students should not be less than 35 credits. There are no less than 30 credits of courses and no less than 22 credits of compulsory courses. The total credits of professional master students should be no less than 16 credits, including no less than 12 credits of degree courses and no less than 4 credits of elective courses.

Research-based Program emphasizes on the capability of scientific research. Thesis and publication are required to be granted Master's degree.

Training-based Program emphasizes on clinical skills.

All of the following courses will use EDEMTET patient cases:

Course	schooltime	Credit
Care contex (course EDEMTET eCampus)	From October 10 to November 28, 2022, there will be two classes every Monday	1
EBP1 (course EDEMTET eCampus)	From October 10 to November 28, 2022, there will be two classes every Tuesday	1
CR1 (course EDEMTET eCampus)	From October 10 to November 28, 2022, there will be two classes every Wednesday	1
EBP2 (course EDEMTET eCampus)	From October 10 to November 28, 2022, there will be two classes every Thursday	1
CR2 (course EDEMTET eCampus)	From October 10 to November 28, 2022, there will be two classes every Friday	1
Endodontics	From February 13 to April 3, 2023, there will be two classes every Monday	1
Research on periodontal and oral mucosal diseases	From February 13 to April 3, 2023, there will be two classes every Tuesday	1
Cariology Research	From February 13 to April 3, 2023, there will be two classes every Wednesday	1
Basic and research of maxillofacial surgery	From February 13 to June 12, 2023, there will be two classes every Thursday	2
Research on Prosthodontics	From February 13 to April 3, 2023, there will be two classes every Friday	1
oral implantology	From April 10 to June 12, 2023, there will be two classes every Monday	1
Orthodontics Research	From April 10 to June 12, 2023, there will be two classes every Tuesday	1
Esthetic Dentistry	From April 10 to June 12, 2023, there will be two classes every Wednesday	1

Research Office, School of Stomatology Wuhan University June 20, 2022

