



Course Syllabus

Name of Institution Walailak University
School/Institute/college International College of Dentistry
Department Oral and Maxillofacial Surgery
Program Master of Science Program in Dentistry (International Program)

General Information

1. Course Code and Course Title

DST61-630 Basic Oral and Maxillofacial Surgery

2. Number of Credits

4 (4-0-8)

3. Curriculum and Type of Subjects

This is the required major courses of Master of Science Program in Dentistry (International Program).

4. Course Coordinators and Lecturers

Course coordinators' name

Dr. Bishwa Prakash Bhattarai

Dr. Panomwat Amornphimoltham

Lecturers' names

Prof. Prof. Natthamet Wongsirichat

Dr. Kanin Arunakul

Assist. Prof. Dr. Raweevan Arayasantiparb

Assist. Prof. Dr. Suphachai Suphangu

Trimester / Year of Study

Trimester (2nd) year of study (1st)

5. Pre-requisites (if any)

.....-.....

6. Co-requisites (if any)

.....-.....

7. Venue of Study

Lecture and Practice: Monday to Friday 9.00-12.00 am
and 1.00-3.00 pm Room: 1
(Except Wednesday)

8. Date of the Latest Revision

...11/01/2019.....

9. Updated details of the course

The first year is no updated details of the course.

Note: This course syllabus template is based on dimensions designed by The United Kingdom Professionals framework (UKPSF)

Design and plan learning activities and/or programs of study (A1, UKPSF)

Design and plan learning activities learning activities and/or programs of study. (TQF 3, teaching and learning process and activities, etc.)

1. Philosophy, Vision, and Mission of Walailak University**Vision**

To be an institution of good governance, a source of knowledge for critical problems facing the nation, to unflinchingly address community needs, and to strive for international recognition for excellence.

The university has 4 major commitments as follows:

1. To provide high level training for students, based on world standards, consistent with socio-economic development of the South of Thailand and Thailand as a whole;
2. To conduct research in order to develop new knowledge that can be of benefit to national progress, and help enhance international competitiveness of Thailand;

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3. To provide and share expertise and technical services to organizations, both private and government sectors, including research and training and technological transfers in areas that help develop the region and country;
 4. To act as a center for the conservation and restoration of art and culture.

2. Walailak University Graduate Attributes

Walailak University aims to discover, seek, maintain and disseminate knowledge and academic excellence for the progress of society. At the heart of its obligation is to develop individuals who are both professionally-competent and morally upright.

Philosophy, Vision, and Mission of the Program

Our Master of Science Program in Dentistry aims to foster students to achieve high degree of professional competence in dental specialists interfaced with research focus. Graduates are expected to be able to independently construct dental science knowledge and achieve academic research impact in the international level. We encourage students to collaborate and integrate oral health science to other disciplines while maintaining personal moral and professional ethics.

Program Graduate Attributes

1) Achieve professional excellence and apply current and emerging science and technology to construct scientific knowledge in advanced dental specialties. Graduate roles as educational and research leader in the field are recognized both national and international stages.

2) Integrate scientific research methods with the dental specialties to service and improve community dental health.

3) Develop research for academic excellence which benefit to national science and technology development. The students are encouraged to publish in the well-recognized

international peer review platform and patent the discoveries.

In addition to attributes specific to program the 21st skills are also featured in the program, including skills in communication, collaboration, critical thinking and creative thinking.

3. Course Objectives (Use the Bloom's Taxonomy as a guide to structure your course objectives)

At the end of the trimester or semester, students should be able to:

- 3.1 Understand the basic knowledge of Oral and Maxillofacial Surgery (OMFS).
- 3.2 Present the basic knowledge and techniques of OMFS.
- 3.3 Criticize the basics of OMFS.
- 3.4 Practicing to be a good presenter in the national / international conference in OMFS field.
- 3.5 Moderate and be responsible in each topic of the OMFS throughout the course.

| |
|--|
| Teach and/or support learning (A2, UKPSF) |
|--|

Identify teaching methods/approaches to support learning

1. Course Description

Principles of surgery and instrumentation for basic oral surgery. Pre-operative health evaluation. Principles of wound healing. Exodontia (simple, complex, and impactions) and post-operative patient management. Examination, diagnosis, and treatment of oral and maxillofacial infection. Drugs commonly used in oral and maxillofacial surgery. Pre-prosthetic surgery. Basic radiographic techniques and concepts for oral and maxillofacial surgery. Oral and maxillofacial implants (basic and advanced concepts and workshops).

2. Credit Hours/Trimester or Semester

| Lecture and other teaching activities (hours) | | | Total hours | Laboratory/ Field Study/ Internship (hours) | Self-study (hours) |
|---|--|-----------------------------------|--------------|---|--------------------|
| Lecture (hours) | Active learning for Formative assessment | | | | |
| | small class teaching (hours) | Other teaching activities (hours) | | | |
| 30 (75%) | 15 (25%) | - | 45 (100%) | - | No less than 60 |

* small class teaching or other learning activities to support learning. These activities are additional to large class lecture.

Teaching methods: You can choose more than 1 method by put ✓ in .

- | | |
|---|--|
| <input checked="" type="checkbox"/> Lecture-based | <input checked="" type="checkbox"/> Discussion-based |
| <input type="checkbox"/> Demonstration-based | <input type="checkbox"/> Project-based |
| <input type="checkbox"/> Experimental-based | <input type="checkbox"/> Laboratory |
| <input type="checkbox"/> Autonomous Learning | <input type="checkbox"/> Inquiry-based |
| <input type="checkbox"/> Field Study | |
| <input type="checkbox"/> Group Study / Research | |
| <input type="checkbox"/> Others | |

Learning Approaches: You can choose more than 1 method by put ✓ in .

- Community-based Learning
- Flipped Classroom
- Brain-based Learning
- Experimental Learning
- Problem-based Learning
- Research-based Learning
- Case-based Learning
- Others ...

Teaching Plan and Evaluation

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|--|---|--|---|---|--|---|
| 4 th wk (4 hours) Nov 11, 2019 | 1. Orientation and Scope of Oral and Maxillofacial Surgery 2. Preoperative Health Status Evaluation 1 3. Preoperative Health Status Evaluation 2 4. Principles of Surgery 1 Lecturer : Prof. Natthamet | 1. Explain the principle of oral surgery. 2. Criticize the Basic of OMFS | 1,3, 5,7 | -Interactive lecture -Q&A -Small classroom discussion | -TQF3 -Based on 2 of the OMFS textbooks. 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012. 2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, | Reading assignment 1. Little and Falace's Dental Management of the Medically Compromised Patient-Ninth Edition. James W. Little, Craig S. Miller, Nelson L. Rhodus, editors, St. Louis; 2018. 2. Miloro, M., De Leeuw, K. A., & Ruggiero, S. | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. - Feedback At the end of each assessment. |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managemen t | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|-----------------------------|-------------------------------|--|--|--|--|--|-------------------------|
| | | | | | <p>Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019. -Experience of advisor in discussion.</p> | <p>L. (2012). Patient Assessment. <i>Journal of Oral and Maxillofacial Surgery</i>, 70(11), e12– e30. doi:10.1016/j. joms.2012.07 .029 3. Petranker, S., Nikoyan, L., & Ogle, O. E. (2012). Preoperative Evaluation of the Surgical Patient. <i>Dental Clinics of North America</i>, 56(1), 163–</p> | |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|---|---|--|--|--|---|--|---|
| | | | | | | 181. doi:10.1016/j. cden.2011.0 6.003 | |
| 4 th wk. (4 hours) Nov 12, 2019 | 5. Principle of surgery 2 6. Wound Repair 7. Pain and Anxiety Control in Surgical Practice 8. Instrumentation for Basic Oral Surgery Lecturer: Prof. Natthamet | 1. Explain the mechanism of wound repair. 2. Understand and explain the mechanism of pain and anxiety. 3. Apply the knowledge to surgery patients | 1,3, 5,7 | -Interactive lecture -Q&A | 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House— USA; 2012. 2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. | Reading assignment 1. Alanazi, A. A. (2014). Reducing anxiety in preoperative patients: a systematic review. <i>British Journal of Nursing</i> , 23(7), 387– 393. doi:10.12968 /bjon.2014.2 3.7.387 | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. - - Feedback At the end of each assessment. |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|---|---|--|---|---|--|---|
| | | | | | Philadelphia: Elsevier; 2019. -Experience of advisor in discussion. | | |
| 4 th wk (4 hours) Nov 14, 2019 | 9. Principles of Routine Exodontia 10. Principles of more complex Exodontia 11. Principles of Management of Impacted Teeth 1 12. Principles of Management of Impacted Teeth 2 Lecturer: Prof. Natthamet | 1. Understand and explain the principle of routine exodontia. 2. Compare the routine exodontia to the complex exodontia. 3. To be able to explain the sequences of removing impacted teeth and its complications. | 1,3, 5,7 | --Interactive lecture -Q&A -Small classroom discussion | 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House— USA; 2012. 2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III | -Read the assignment 1. Sambrook, P.J., Goss, A.N. (2018) Contemporar y exodontia. <i>Australian Dental Journal</i> , 63: S1 S11– S18. https://doi.org/10.1111/adj.12586 | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. - Feedback At the end of each assessment. |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Century Skills | Teaching Methods/ Activities/ Class management | Materials and Resources | Assignments/ Guided reading | Evaluation/ Criteria |
|--|--|---|-------------------------------------|---|---|--|--|
| | | | | | EE, editors. Philadelphia: Elsevier; 2019. -Experience of advisor in discussion. | | |
| 4 th wk (5 hours) Nov 15, 2019 | 13. Post-extraction Patient Management. 14. Odontogenic Infections in Principles of Management and Prevention 1 15. Odontogenic Infections in Principles of Management and Prevention 2 16. Complex Odontogenic Infections 1 17. Complex Odontogenic Infections 2 Lecturer: Prof. Natthamet | 1 Explain the risk and treatment of post-extraction patient management. 2. Understand and explain the risk, cause, prognosis, sign & symptoms, treatment, complication and prevention of the principles of odontogenic infections. | 1,3,5,7 | -Interactive lecture -Q&A -Small classroom discussion | 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012. 2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. | - Reading assignment 1. Head, neck and orofacial infections: an interdisciplinary approach. James R Hupp, Elie M Ferneini, editors. St. Louis, Elsevier. 2016. 2. Vytla, S., | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. - Feedback At the end of each |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skil ls | Teaching Methods/ Activities/C lass managemen t | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|-----------------------------|-------------------------------|--|--|--|--|---|-------------------------|
| | | | | | James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019. | Gebauer, D. (2017) Clinical guideline for the management of odontogenic infections in the tertiary setting. <i>Australian Dental Journal</i> , 62: 464– 470. https://doi.org/10.1111/adj.12538 | assessment. |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|---|--|--|--|---|---|---|
| 5 th wk (4 hours) Nov 18, 2019 | <p>18. Dental Drugs used in Oral and Maxillofacial Surgery: Local Aesthesia</p> <p>19. Dental Drugs used in Oral and Maxillofacial Surgery: Analgesics</p> <p>20. Dental Drugs used in Oral and Maxillofacial Surgery: Antibiotic</p> <p>21 Dental Drugs used in Oral and Maxillofacial Surgery: Steroids</p> <p>Lecturer: Prof. Natthamet</p> | 1. Describe dental drugs used in Oral and Maxillofacial Surgery. | 1,3, 5,7 | <p>-Interactive lecture</p> <p>-Q&A</p> <p>-Small classroom discussion</p> | <p>1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012.</p> <p>2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.</p> <p>3. Handbook of Local Anesthesia. 7th ed.</p> | <p>Reading assignment</p> <p>1. Au AH, Choi SW, Cheung CW, Leung YY. The Efficacy and Clinical Safety of Various Analgesic Combinations for Post-Operative Pain after Third Molar Surgery: A Systematic Review and Meta-Analysis. <i>PLoS One</i>. 2015;10(6):e0127611.doi:10.1371/jour</p> | <p>-Formative assessment</p> <p>- Criteria by using rubric score 1, 2, 3, 4, 5.</p> <p>- Pass examination criteria = 80% of formative assessment score)</p> <ul style="list-style-type: none"> • Daily observed assessment. <p>- Feedback At the end of each assessment.</p> |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managemen t | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|-----------------------------|-------------------------------|--|--|--|---|---|-------------------------|
| | | | | | Stanley F. Malamed, editor. St. Louis Elsevier; 2020. | nal.pone.012 7611 2. Blatt, S., Al-Nawas, B. A systematic review of latest evidence for antibiotic prophylaxis and therapy in oral and maxillofacial surgery. Infection 47, 519–555 (2019). https://doi.org/10.1007/s15010-019-01303-8 3. Ngeow WC, Lim D. Do Corticosteroi | |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skil ls | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|--|--|--|---|--|--|--|
| | | | | | | ds Still Have a Role in the Management of Third Molar Surgery? <i>Adv Ther.</i> 2016; 33(7):1105-1139. doi:10.1007/s12325-016-0357-y | |
| 5 th wk (4 hours) Nov 19, 2019 | 22. Classical Preprosthetic Surgery 1 23. Classical Preprosthetic Surgery 2 24. Classical Preprosthetic Surgery 3 25. Classical Preprosthetic Surgery 4 Lecturer: Kanin | 1. Describe classical preprosthetic surgery. | 1,3, 5,7 | -Interactive lecture -Q&A -Small classroom discussion | 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012. | Reading assignment 1. Sahil Choudhari , V. Rakshagan, Ashish R. Jain. Evolution in preprosthetic surgery current | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Century Skills | Teaching Methods/ Activities/ Class management | Materials and Resources | Assignments/ Guided reading | Evaluation/ Criteria |
|--|--|---|-------------------------------------|--|--|--|---|
| | | | | | 2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019. | trends: A review. Drug Invention Today. 2016; 10 (10); 2010- 2016. | <ul style="list-style-type: none"> Daily observed assessment. Feedback At the end of each assessment. |
| 5 th wk (4 hours) Nov 21, 2019 | 26. Roentgenographic Overview 1: Intraoral, extraoral, localization and CBCT. 27. Roentgenographic Overview 2: Intraoral, extraoral, localization and CBCT 28. Roentgenographic Overview 3: Intraoral, extraoral, localization and CBCT. 29. Roentgenographic | 1 Describe the basic of roentgenographic techniques for the use in oral and maxillofacial surgery practice. | 1,3, 5,7 | --Interactive lecture -Q&A -Small classroom discussion | 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012. | Reading assignment 1. Weiss, R., II; Read-Fuller, A. Cone Beam Computed Tomography in Oral and Maxillofacial Surgery: An Evidence-Based | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) <ul style="list-style-type: none"> Daily |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|--|--|--|--|---|--|--|
| | Overview 4: Intraoral, extraoral, localization and CBCT Lecturer: Raweewan | | | | 2. White and Pharoah's Oral Radiology- Principles and Interpretation. 8th ed. Sanjay M. Mallaya, Ernest W.N. Lam, editors, St. Louis, Elsevier; 2019. | Review. <i>Dent. J.</i> 2019, 7, 52. | observed assessment. - Feedback At the end of each assessment. |
| 5 th wk (4 hours) Nov 22, 2019 | 30. Implant Treatment : Basic Concepts and Techniques 1 31. Implant Treatment : Basic Concepts and Techniques 2 32. Implant Treatment : Basic Concepts and Techniques 3 33. Implant Treatment : Basic Concepts and Techniques 4 Lecturer: Supachai | 1. Explain the basic concepts and techniques of dental implant. | 1,3, 5,7 | -Interactive lecture -Q&A -Small classroom discussion | 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House— USA; 2012. 2. CONTEMPORARY ORAL and MAXILLOFACIAL | Reading assignment 1. Tagliareni, J. M., & Clarkson, E. Basic Concepts and Techniques of Dental Implants. <i>Dental Clinics of North America.</i> 2015; 59(2), 255–264. | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. - Feedback At the end of |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|--|---|--|--|--|---|--|
| | | | | | SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019. 3. Randolph R. Resnik. Misch's Contemporary Implant Dentistry- 4 th ed. Elsevier; 2020 | doi:10.1016/j. cden.2014.1 0.005 | each assessment. |
| 6 th wk (4 hours) Nov 25, 2019 | 34. Implant Treatment : Advanced concepts and Complex cases 1 35. Implant Treatment : Advanced concepts and Complex cases 2 36. Implant Treatment : Advanced concepts and Complex cases 3 37. Implant Treatment : Advanced concepts and Complex cases 4 | 1. Explain the advanced concepts in oral implantology. 2. Understand and classify implant techniques in 21 st century. | 1,3, 5,7 | -Interactive lecture -Q&A -Small classroom discussion | 1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House— USA; 2012. | Reading assignment 1. James R. Hupp. INTRODUCT ION TO IMPLANT DENTISTRY: A STUDENT GUIDE. <i>Journal of Oral and Maxillofacial Surgery;</i> | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|--|---|--|--|---|--|--|
| | Lecturer: Supachai | | | | <p>2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.</p> <p>3. Randolph R. Resnik. Misch's Contemporary Implant Dentistry- 4th ed. Elsevier; 2020</p> | 2017; 75 (S 2). | assessment. - Feedback At the end of each assessment. |
| 6 th wk (4 hours) Nov 26, 2019 | 38-41 Technique in workshop and hand on Implant model system 1 (Biomate ^R) Lecturer : Company # 1 | 1. Explain the implant technique : Biomate ^R | 1,3, 5,7 | -Interactive lecture - Small classroom discussion | The company's representatives will provide hands-on practice. | Reading assignment Non applicable | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skil ls | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|---|---|--|--|---|--|--|
| | | | | | | | formative assessment score) • Daily observed assessment. - Feedback At the end of each assessment. |
| 6 th wk (4 hours) Nov 28, 2019 | 42-45 Technique in Workshop and hand on implant model system 2 (Camlog ^R) Lecturer : Company # 2 | Explain the implant technique : Camlog ^R | 1,2, 3,4, 5,7, | -Interactive lecture - Small classroom discussion. | The company's representatives will provide hands-on practice. | Reading assignment Non applicable | -Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. |

| Week No. (Hours) Date | Topics Lecturer/Instructor | Learning Objectives (Students are able to...) | The 21 st Cen tury Skill s | Teaching Methods/ Activities/C lass managem ent | Materials and Resources | Assignment s/ Guided reading | Evaluation/ Criteria |
|--|-------------------------------|--|--|--|----------------------------|------------------------------------|--|
| | | | | | | | - Feedback At the end of each assessment. |
| 6 th wk (4 hours) Nov 29, 2019 | Final Examination | Explain and analyze about Scope of Oral and Maxillofacial Surgery | 4, 5, 9 | Writing examination | | | -Summative evaluation - Pass examination criteria = 80% of summative assessment score |

As mentioned above, generic skills on the 21st skills are emphasized across curricular. Details are as follows:

1. Literacy
2. Numeracy
3. Reasoning
4. Problem Solving
5. Critical Thinking
6. Collaboration
7. Communication
8. Computing
9. Career and Life skills
10. Cross-Cultural Skills

Textbook (The subject material (K1, UKPSF))

1. Required Textbooks

1. Peterson's Principles of Oral and Maxillofacial Surgery - Third Edition. Michael Miloro, G. E. Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012.
2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.

2. Recommended Textbooks

1. Handbook of Local Anesthesia. 7th ed. Stanley F. Malamed, editor, St. Louis: Elsevier; 2020.
2. White and Pharoah's Oral Radiology- Principles and Interpretation. 8th ed. Sanjay M. Mallaya, Ernest W.N. Lam, editors, St. Louis: Elsevier; 2019.
3. Randolph R. Resnik. Misch's Contemporary Implant Dentistry- 4th ed. Elsevier; 2020
4. Little and Falace's Dental Management of the Medically Compromised Patient- Ninth Edition. James W. Little, Craig S. Miller, Nelson L. Rhodus, editors, St. Louis; 2018.
5. Head, neck and orofacial infections: an interdisciplinary approach. James R Hupp, Elie M Ferneini, editors. St. Louis, Elsevier. 2016.

3. Scholarly articles (There must always be journal articles as additional resources.)

Recommended Journals

- International journal of oral and maxillofacial surgery
- Journal of oral and maxillofacial surgery
- Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology
- Journal of cranio-maxillofacial surgery
- Journal of oral and maxillofacial surgery, medicine, pathology
- Clinical Oral Implants Research
- Clinical Implant Dentistry and Related Research

Recommended Articles

1. Miloro, M., De Leeuw, K. A., & Ruggiero, S. L. (2012). Patient Assessment. *Journal of Oral and Maxillofacial Surgery*, 70(11), e12-e30. doi:10.1016/j.joms.2012.07.029
2. Petranker, S., Nikoyan, L., & Ogle, O. E. (2012). Preoperative Evaluation of the Surgical Patient. *Dental Clinics of North America*, 56(1), 163-181. doi:10.1016/j.cden.2011.06.003
4. Alanazi, A. A. (2014). Reducing anxiety in preoperative patients: a systematic review. *British Journal of Nursing*, 23(7), 387-393. doi:10.12968/bjon.2014.23.7.387
5. Sambrook, P.J., Goss, A.N. (2018) Contemporary exodontia. *Australian Dental Journal*, 63: S1 S11- S18. <https://doi.org/10.1111/adj.12586>
6. Vytla, S., Gebauer, D. (2017) Clinical guideline for the management of odontogenic infections in the tertiary setting. *Australian Dental Journal*, 62: 464- 470. <https://doi.org/10.1111/adj.12538>
7. Au AH, Choi SW, Cheung CW, Leung YY. The Efficacy and Clinical Safety of Various Analgesic Combinations for Post-Operative Pain after Third Molar Surgery: A Systematic Review and Meta-Analysis. *PLoS One*. 2015;10(6):e0127611. doi:10.1371/journal.pone.0127611

8. Blatt, S., Al-Nawas, B. A systematic review of latest evidence for antibiotic prophylaxis and therapy in oral and maxillofacial surgery. *Infection* 47, 519-555 (2019). <https://doi.org/10.1007/s15010-019-01303-8>
9. Ngeow WC, Lim D. Do Corticosteroids Still Have a Role in the Management of Third Molar Surgery? *Adv Ther.* 2016; 33(7):1105-1139. doi:10.1007/s12325-016-0357-y
10. Sahil Choudhari , V. Rakshagan, Ashish R. Jain. Evolution in preprosthetic surgery current trends: A review. *Drug Invention Today.* 2016; 10 (10); 2010- 2016.
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| |
|---|
| Develop effective learning environments and approaches to student support and guidance (A4, UKPSF) |
|---|

1. Consultation hours per week for individual students

| Lecturing Team | Lecturer | Office Number | Phone Number | Email, LINE, Facebook, etc. | Consultation Time* |
|--------------------|----------------------------------|----------------------------|--------------------------------|-----------------------------|------------------------|
| Course-coordinator | Dr. Bishwa Prakash Bhattarai | | 092-7908294 | bishwa052@gmail.com | Office hours |
| Course-coordinator | Dr. Panomwat Amornphimoltham | 0-7567-1146 ext 1146, 1150 | | pa79wa@gmail.com | appointment in advance |
| Lecturer | Professor Natthamet Wongsirichat | | 081-909 5625. 081-830 5340. | natthamet.wo@mail.wu.ac.th | Office hours |
| | | | | | |

| | | | | | |
|----------|---|--|--|------------------------------------|---------------------------|
| Lecturer | Assist. Prof. Raweewan Arayasantiparb | | | raweewan.ara @mahidol.ac.t h | appointment in advance |
| Lecturer | Dr. Kanin Arunakul | | | kanin08@hotm ail.com | appointment in advance |
| Lecturer | Assist. Prof. Suphachai Suphangul | | | kungomfs@gm ail.com | appointment in advance |

* Or other times as agreed by both student and lecturer.

Learning Supported Technologies/Applications

- WU E-learning
 Facebook
 Google Education
 Mobile applications
 Others

Diverse Learners Support

Types of Learners with special needs: (Please specify).....

- None

Support plans and actions (Optional)

- None

Online activities and discussion (Optional)

Online discussion is provided for student who needs to consult with the lecturer....

Learning skills advice

1. Supplementary learning is provided for individual students in more need.
2. Promoting participation in academic meetings.

Course Policy/Regulations

- Student must attend the classes not less than 80% of all classes, otherwise student cannot attend the final examination.
- Delayed in submission of the assigned work in the course will receive not more than 50% of the total scores or fail due to the committee.
- If fraud in the mid-term and final exams, the results are immediately F.

-
- Student must follow the rules and regulations of Walailak University and WUICD.

Plagiarism

Plagiarism occurs when writers claim ownership of written words or ideas that are not their own. Plagiarism is a form of cheating and any instances of plagiarism will be dealt with promptly according to University procedures. Plagiarism is a form of academic dishonesty that is considered a serious offense and carries severe penalties ranging from failing an assignment to suspension from school. You are guilty of plagiarism any time you attempt to obtain academic credit by presenting someone else's ideas as your own without appropriately documenting the original source.

Assess and give feedback to learners (A3, UKPSF)

The 21st Century Skills Enhancement

1. Morality and ethics

| Morality and ethics skills/characteristics to be developed | Assessment methods |
|---|--|
| <ul style="list-style-type: none"> ● 1.1 Exhibit discipline, punctuality, honesty and responsibility. Respecting to rules and laws of organizations and societies. | Observe by learning behavior and submission time of assignment |
| <ul style="list-style-type: none"> ○ 1.2 Demonstrate ethical behavior in academic and research. No plagiarism | Observe by learning behavior |
| <ul style="list-style-type: none"> ○ 1.3 Respect to others' opinions and accepting the differences in individual both in academia and profession. | Observe by learning behavior |

2. Knowledge

| Knowledge skills/characteristics to be developed | Assessment methods |
|---|-----------------------------|
| <ul style="list-style-type: none"> ● 2.1 Truly understand in theories and practices of research methodology. Develop self- | Examination and assignments |

| Knowledge skills/characteristics to be developed | Assessment methods |
|--|-----------------------------|
| learning skill and seek new knowledge. | |
| ● 2.2 Advance and translate bodies of knowledge in dental science to society or commercial benefits. | Examination and assignments |

3. High order thinking

| skills/characteristics to be developed | Assessment methods |
|--|---|
| ● 3.1 Systematically analyze and integrate knowledge from both theories and practices. | Examination, assignments and presentation |
| ○ 3.2 Initiate, analyze, systematic plan and conduct dental research. | Discussion in the presentation |
| ○ 3.3 Synthesize information from research and develop a new knowledge. | Discussion in the presentation |

4. Interpersonal relationship and responsibility

| Interpersonal relationship and responsibility skills/characteristics to be developed | Assessment methods |
|--|-----------------------------------|
| ● 4.1 Creatively collaborate and appropriately interact to others. | Group activities and presentation |
| ○ 4.2 Accept the differences in academic opinions and well demonstrate both leadership and followership. | Group activities. |
| ○ 4.3 Exhibit responsibility in self and group. | Group activities and presentation |

5. Numeracy, communication, and information literacy skills

| Numeracy, communication, and information literacy skills to be developed | Assessment methods |
|--|-------------------------------------|
| ○ 5.1 Adequately apply the Mathematics and Statistics in data analysis, interpretation and presentation. | Class activities and presentations. |
| ○ 5.2 Appropriately apply information technology in data | Class activities and presentations. |

| Numeracy, communication, and information literacy skills to be developed | Assessment methods |
|--|--------------------------------|
| searching, collecting, processing, interpretation and presentation | |
| <ul style="list-style-type: none"> ● 5.3 Effectively apply communication skills (speaking, listening and writing) in academic environment both formal and informal situation. | Assignments and presentations. |
| <ul style="list-style-type: none"> ○ 5.4 Use English to Skillfully communicate in academic presentation, thesis and research both in formal and informal setting. | Class activities |

Learning Outcome Assessment Plan

| No. | Learning Outcomes (PLO) | Assessment Methods | Assignment submission deadline | Assessment Proportion (Percentage) |
|-----|-----------------------------------|--|---|------------------------------------|
| 1 | 1.1, 1.2, 1.3. | -Directly Observed Procedural Skills (DOPS) in classroom participation and behavior. | Depend on responsible lecturer or classroom activities. | 10 % |
| 2 | 2.1, 2.2, 3.1, 3.2, 3.3. | -Formative assessment in class -Summative assessment | -Depend on responsible lecturer or classroom activities. - At the end of course. | 20 % 50 % |
| 3 | 4.1, 4.2, 4.3, 5.1, 5.2, 5.3, 5.4 | Formative assessment in class --Directly Observed Procedural Skills (DOPS) in classroom | Depend on responsible lecturer or classroom activities. | 20 % |

Assessment form of Participation

| | | | |
|---|--|--|--|
| Learning Objective | 1. Explain basis biology of Oral and Maxillofacial Surgery; 2. Describe the risk factors, cause, prognosis, treatment, postoperative, complication and prevention of Oral and Maxillofacial Surgery ; | | |
| Individual / Group Assignment | individual | | |
| Score Proportion | | | |
| Assignment requirements and deadline | | | |
| Submission Deadline | | | |
| Requirements | Scale (Adaptable) | | |
| | 5 Excellent | 3 Fair | 1 Need improvement |
| 1. Participate in the class | <ul style="list-style-type: none"> • Hold attention of entire lecture | <ul style="list-style-type: none"> • Hold attention of part lecture (<1/2 hour) • | <ul style="list-style-type: none"> • Hold attention of part lecture (>1/2 hour) • |

Feedback:

.....

The Assessment form

A daily assessment form of the skills enhancement

| Characteristics to be developed | Scale 1-5 |
|--|----------------------|
| Morality and ethics skills: complete all required readings on time, respect one another. | |
| Knowledge: be-knowledgeable in the subject-matters, able to make connections and apply subject-matters. | |
| High order thinking: - critical thinking and analysis. | |
| Interpersonal relationship and responsibility:- participation | |
| Numeracy, communication, and information literacy skills: - apply proper statistical techniques, able to apply ICT in presentation. | |
| Total score | |
| Feed back | |

1= Very good, 2 = Poor, 3 = Fair, 4 = Good, 5 = Very good

Grading Criteria

Using the eight levels fixed rate assessment as shown in the following table

| Grade Level | Meaning | Score | Grade Value |
|--------------------|----------------|--------------|--------------------|
| A | Excellent | 100-90 | 4.0 |
| B+ | Very Good | >90-85 | 3.5 |
| B | Good | >85-80 | 3.0 |
| C+ | Fairly Good | >80-75 | 2.5 |
| C | Fair | >75-70 | 2.0 |
| D+ | Poor | >70-65 | 1.5 |
| D | Very Poor | >65-60 | 1.0 |
| F | Fail | >60 | 0.0 |

I refers to "Incomplete Assessment"

W refers to "Withdraw"

Lecturer's use only: For Future Improvement of the Course

Engage in continuing professional development in subjects/disciplines and their pedagogy, incorporating research, scholarship and the evaluation of professional practices (A5, UKPSF)

Course Evaluation and Future Improvement

1. Teaching Evaluation Strategy (Please put ✓ in . You can choose more than 1 methods.)

- Every student evaluates
- By examining students' results
- Comments from examiner's meeting
- Others.....

2. Strategies for course effectiveness evaluation by students

Bring the course evaluations and summaries to course committee seminars on the learning and teaching management to discuss how to improve course contents and teaching methods regarding the comments of students and course lecturers. Thereafter, propose the improvement plan to curriculum committee.

3. Teaching Future improvement

3.1 Organization of meeting and/or seminars among teaching staff and the curriculum committee at the end of the course to discuss on how to improve the course contents and/or teaching methods based on course assessment by students and evaluation by curriculum committee

3.2 Proposing the improvement plan to the curriculum committee for further discussion and approval.

4. Evaluation of students' success in learning

4.1 Verify quality of examination and students' score by course coordinator and bring the results to course committee and curriculum committee seminars to discuss on how to improve students' learning outcome....

5. Plans and actions for course improvement

5.1. At the end of every academic year the course committee as well as related staffs will summarize and analyze the assessment of teaching, exam results, feedback evaluation

from student and stakeholder evaluation to develop a plan of action to implement the course.

5.2. Course educational objectives will be assessed and reviewed every two years.

----- Lecturer's use only -----

6. Experience sharing on teaching and learning participation

6.1 Please select how you share your teaching and learning experiences by put ✓ in . You can choose more than 1 methods.

- Participate in the university's monthly Teaching and Learning colloquium
Please specify the month
- Publish an article in an online newsletter
Please specify the newsletter detail
- Summarized the teaching and learning result in the template from
to be gathered in Walailak Digital Learning Repository (WDLR)
- Publish in national or international journal
Please specify the journal detail
.....
- Presented in national or international conferences
Please specify the conference's detail
.....

6.2 Sharing results from 6.1

.....

