



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

DST61-633 Advance 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' names

Dr. Bishwa Prakash Bhattarai

Dr. Panomwat Amornphimoltham

Lecturers' names

Prof. Dr. Natthamet Wongsirichat

Dr. Manop Khanijou

Dr. Kanin Arunakul

Dr. Naruemon Panpradit

Dr. Amornpong Vachiramom

Dr. Chakorn Worakulpipat

Dr. Somchart Raucharernporn

Dr. Somsak Mitirattanakul

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 has 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 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;

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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;
 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 advanced knowledge of Oral and Maxillofacial Surgery (OMFS).
- 3.2 Present on the advancements of OMFS.
- 3.3 Criticize on the advanced OMFS topics.
- 3.4 Be a leading presenter in the OMFS field.
- 3.5 Be a moderator of the class in this course.
- 3.6 Response to the presenter in each topic of OMFS.

<h3>Teach and/or support learning (A2, UKPSF)</h3>
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Identify teaching methods/approaches to support learning

1. Course Description

Regenerative oral surgery (PRF, PRP, Bone grafts). Examination, diagnosis, and treatment of oral and maxillofacial deformities (clefts, orthognathic surgery), maxillofacial trauma (mass casualty, dentoalveolar injuries, facial fractures), and temporomandibular disorders. Examination, diagnosis, and treatment of oral and maxillofacial pathologies (diseases of the maxillary sinus, salivary gland disorders, oral lesions, cysts, tumors, and oral cancer). Digital technology in oral and maxillofacial surgery. Facial esthetic surgery. Diagnosis and management of facial neuropathology.

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%)	14 (25%)	0	44 (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 checked="" type="checkbox"/> Others: computer practice, smart classroom ... | |

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

- | | | | |
|---|----------|------------|-------|
| <input type="checkbox"/> Community-Based Learning | | | |
| <input checked="" type="checkbox"/> Flipped Classroom | | | |
| <input type="checkbox"/> Brain-Based Learning | | | |
| <input type="checkbox"/> Experiential Learning | | | |
| <input type="checkbox"/> Problem-Based Learning | | | |
| <input type="checkbox"/> Research-Based Learning | | | |
| <input checked="" type="checkbox"/> Case-Based Learning | | | |
| <input checked="" type="checkbox"/> Others ..OMFS | textbook | experience | study |

Teaching Plan and Evaluation

Session No./ 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
7 th wk (3 hours) Dec 2, 2019	1-3. PRF and PRP for implant treatment and demonstration Lecturer: Manop	1. Explain and compare the PRF and PRP for implant treatment. 2. PRP and PRF preparation after observation.	1,3,5,7	-Interactive lecture and group activity -Q&A.	1. Platelet rich fibrin in regenerative dentistry- biological background and clinical indications. 1st ed. Choukroun, Joseph, Miron, Richard J, editors. Hoboken, NJ: Wiley, 2017. 2. 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—	1. https://implantpractice.com/ce-articles/a-comprehensive-clinical-review-of-prf-and-its-role-in-promoting-tissue-healing-and-regeneration-part-1/ 2. https://implantpractice.com/ce-articles/a-comprehensive-clinical-review-of-platelet-rich-fibrin-prf-and-its-role-in-promoting-tissue-healing-and-regeneration-part-2/	-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.

Session No./ Week No. (Hours) Date	Topics Lecturer/Instructor	Learning Objectives (Students are able to...)	The 21 st Century Skills	Teaching Methods/ Activities/ Classroom management	Materials and Resources	Assignments/ Guided reading	Evaluation/ Criteria
					USA; 2012.	3. https://implantpracticeus.com/ce-articles/a-comprehensive-clinical-review-of-prf-and-its-role-in-promoting-tissue-healing-and-regeneration-part-3/	
7 th wk (1 hour) Dec 2, 2019	4. Bone graft material derived from extracted tooth and demonstration. Lecturer: Manop	1. Explain bone graft material derived from extracted tooth. 2. Preparation of tooth-derived graft after observation.	1,3,5,7	-Interactive lecture and classroom activities. -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	1. Kim, Young-Kyun. Bone graft material using teeth. Journal of the Korean Association of Oral and Maxillofacial Surgeons. 2012; 38. 134. 10.5125/jkaoms.2012.38.3.134. 2. Gual-Vaqués P, Polis-Yanes C, Estrugo-Devesa A, Ayuso-Montero R,	-Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. - Feedback

Session No./ 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
					<p>MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.</p> <p>- Experience of advisor in discussion.</p>	<p>Mari-Roig A, López-López J. Autogenous teeth used for bone grafting: A systematic review. Med Oral Patol Oral Cir Bucal. 2018;23(1):e112-e119. Published 2018 Jan 1. doi:10.4317/medoral.22197</p>	<p>At the end of each assessment.</p>
<p>7th wk (4 hours) Dec 3, 2019</p>	<p>5-6. Odontogenic diseases of the maxillary sinus</p> <p>7-8. Diagnosis and management of salivary gland disorders</p> <p>Lecturer: Bishwa. Kanin</p>	<p>1. Explain the odontogenic diseases of the maxillary sinus and manage such diseases.</p> <p>2. Describe, diagnose, and manage of salivary gland disorders.</p>	<p>1,2,3,4,7,8</p>	<p>-Interactive lecture.</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>1. Kim, S.M. Definition and management of odontogenic maxillary sinusitis. Maxillofac Plast Reconstr Surg 41, 13 (2019). https://doi.org/10.1186/s40902-019-0196-2</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>

Session No./ 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.	2. Krishnamurthy S, Vasudeva SB, Vijayasarathy S. Salivary gland disorders: A comprehensive review. <i>World J Stomatol</i> 2015; 4(2): 56-71	<ul style="list-style-type: none"> Daily observed assessment. Feedback At the end of each assessment.
7 th wk (2 hours) Dec 6, 2019	9-10. Oral lesion Lecturer: Naruemon	1 Recognize and differentiate various oral lesions based on their clinical presentations and histological appearances.	1,3,5,7	-Interactive lecture. - 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. Oral and Maxillofacial	1. Mortazavi, H., Safi, Y., Baharvand, M., Jafari, S., Anbari, F., & Rahmani, S. (2019). Oral White Lesions: An Updated Clinical Diagnostic Decision Tree. <i>Dentistry journal</i> , 7(1), 15. https://doi.org/10.3390/dj7010015 2. Fitzpatrick, S. G., Cohen, D. M., &	-Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment.

Session No./ 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
					<p>Medicine: The Basis of Diagnosis and Treatment, 3rd ed. Crispan Scully, editor. Churchill Livingstone; 2013.</p> <p>3. Oral and Maxillofacial Pathology, 4th ed. Brad W. Neville, Douglas D. Damm, Carl M. Allen, Angela C. Chi, editors. St. Louis; Elsevier; 2016.</p> <p>-Experience of advisor in discussion.</p>	<p>Clark, A. N. (2019). Ulcerated Lesions of the Oral Mucosa: Clinical and Histologic Review. <i>Head and neck pathology</i>, 13(1), 91–102. https://doi.org/10.1007/s12105-018-0981-8</p>	<p>- Feedback At the end of each assessment.</p>

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7 th wk (2 hours) Dec 6, 2019	11-12. Cyst in the oral and maxillofacial region. Lecturer: Bishwa	1. Identify and describe cysts in the oral and maxillofacial area.	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. Philadelphia: Elsevier; 2019. 3. Oral and Maxillofacial	1. Kiattavoranchaen S, Boonsiriseth K, Tantangjaroenchai W, Wongsirichat N. The incidence of oral and maxillofacial lesions (10 years) at the department of oral and maxillofacial surgery, Mahidol University: Odontogenic cysts. <i>M Dent J</i> 2015; 35: 1-10. 2. Nyimi BF, Zhao Y, Liu B. The Changing landscape in treatment of cystic lesions of the jaws. <i>J Int Soc Prevent</i>	-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.

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					<p>Pathology, 4th ed. Brad W. Neville, Douglas D. Damm, Carl M. Allen, Angela C. Chi, editors. St. Louis; Elsevier; 2016.</p> <p>4. WHO classification of head and neck tumors 2017. Lyon; IARC. 2017</p> <p>- Experience of advisor in discussion.</p>	<p><i>Communit Dent</i> 2019;9:328-37</p> <p>3. Bilodeau, E. A., & Collins, B. M. (2017). Odontogenic Cysts and Neoplasms. <i>Surgical Pathology Clinics</i>, 10(1), 177–222. doi:10.1016/j.path.2016.10.006</p>	

Session No./ 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
8 th wk (- hours) Dec 9, 2019	Self-study and paper work	-	-	-	-	-	-
8 th wk (4 hours) Dec 12, 2019	13-14 Odontogenic benign tumor 15-16 Odontogenic malignant tumor Lecturer: Bishwa	1. Provide differential diagnosis and identify the odontogenic benign and malignant tumors.	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.	1. Wright JM, Soluk Tekkesin M. Odontogenic tumors. Where are we in 2017?. J Istanbul Univ Fac Dent 2017;51(3 Suppl 1):S10-S30. 2. Rioux-Forker, D., Deziel, A. C., Williams, L. S., &	-Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily

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					<p>2. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.</p> <p>3. Oral and Maxillofacial Pathology, 4th ed. Brad W. Neville, Douglas D. Damm, Carl M. Allen, Angela C. Chi, editors. St. Louis; Elsevier; 2016.</p> <p>4. WHO classification of head and neck tumors 2017. Lyon; IARC. 2017</p>	<p>Muzaffar, A. R. (2019). Odontogenic Cysts and Tumors. Annals of Plastic Surgery, 82(4), 469–477. doi:10.1097/sap.00000000001738</p> <p>3. Bilodeau, E. A., & Collins, B. M. (2017). Odontogenic Cysts and Neoplasms. Surgical Pathology Clinics, 10(1), 177–222. doi:10.1016/j.path.2016.10.006</p>	<p>observed assessment. - Feedback At the end of each assessment.</p>

Session No./ 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
					- Experience of advisor in discussion.		
8 th wk (4 hours) Dec 13, 2019	<p>17-18. Principles of differential diagnosis and biopsy</p> <p>19-20. Surgical management of oral pathologic lesions surgical reconstruction of defects of the jaws</p> <p>Lecturer: Bishwa. Kanin</p>	<p>1. Explain the principles of differential diagnosis and biopsy.</p> <p>2. Understand the techniques for the surgical management of oral pathologic lesions.</p> <p>3. Understand the importance and techniques of maxillofacial reconstruction</p>	1,3,5,7	<p>-Interactive lecture</p> <p>-Q&A</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.</p>	<p>1. Kumar BP, Venkatesh V, Kumar KA, Yadav BY, Mohan SR. Mandibular Reconstruction: Overview. <i>J Maxillofac Oral Surg.</i> 2016;15(4):425-441 . doi:10.1007/s12663-015-0766-5</p> <p>2. Batstone, M.D. (2018) Reconstruction of major defects of the jaws. <i>Australian Dental Journal</i>, 63: S1 S108– S113.</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> <p>• Daily observed assessment.</p> <p>- Feedback At the end of each assessment.</p>

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					Philadelphia: Elsevier; 2019. - Experience of advisor in discussion.	https://doi.org/10.1111/adj.12596	
9 th wk (2 hours) Dec 16, 2019	21-22. Oral cancer and management of the patient undergoing radiotherapy or chemotherapy Lecturer: Kanin	1. Explain oral cancer and management of the patient undergoing radiotherapy or chemotherapy.	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	1. Alvarez, P. B., Perez-Sayans García, M., Iruegas, M. E. P., & García-García, A. (2015). Radiotherapy and Chemotherapy Treatments in Head and Neck Cancer Patients — Protocol for Management Before, During and After RTP. Updates on Cancer Treatment. doi:10.5772/60397	-Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. - Feedback

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					<p>MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.</p> <p>3. Jatin Shah's Head and Neck Surgery and Oncology, 5th Edition. Shah, Patel, Singh, Wong, editors. Philadelphia; Elsevier; 2020. - Experience of advisor in discussion.</p>	<p>2. Carneiro-Neto JN, de-Menezes JD, Moura LB, Massucato EM, de-Andrade CR. Protocols for management of oral complications of chemotherapy and/or radiotherapy for oral cancer: Systematic review and meta-analysis current. Med Oral Patol Oral Cir Bucal. 2017;22(1):e15-e23 . doi:10.4317/medoral.21314</p> <p>3. Wong HM. Oral complications and management strategies for</p>	At the end of each assessment.

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						patients undergoing cancer therapy. Scientific World Journal. 2014;2014:581795. doi:10.1155/2014/581795	
9 th wk (2 hours) Dec 16, 2019	23-24. Cleft lip, alveolar cleft and cleft palate with management of patients with orofacial clefts Lecturer: Amornpong	1. Explain cleft lip, alveolar cleft and cleft palate with management of patients with orofacial clefts.	1,3,5,7	-Interactive lecture. - 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	1. Campbell, A., Costello, B. J., & Ruiz, R. L. Cleft Lip and Palate Surgery: An Update of Clinical Outcomes for Primary Repair. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2010;22(1), 43–58. doi:10.1016/j.coms.2009.11.003 2. Raghavan, U., Rao, D., Ullas, G.,	-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

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					<p>SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.</p> <p>3. Cleft lip and palate Management: A comprehensive atlas. Ricardo D. Bennun, Julia F. Harfin, George K. B. Sándor, David Genecov, editors. Hoboken; Wiley Blackwell; 2016.</p> <p>- Experience of advisor in discussion.</p>	<p>& Vijayadev, V. (2018). Postoperative Management of Cleft Lip and Palate Surgery. Facial Plastic Surgery, 34(06), 605–611. doi:10.1055/s-0038-1676381</p>	<p>each assessment.</p>
<p>9th wk (4 hours) Dec 17, 2019</p>	<p>25-26 Mass casualty injuries and management of soft tissue and dentoalveolar injuries</p>	<p>1. Explain mass casualty injuries and management of soft tissue and dentoalveolar injuries.</p>	<p>1,3,5,7</p>	<p>-Interactive lecture. - Small classroom discussion.</p>	<p>1. Peterson’s Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E.</p>	<p>Reading assignment 1. Advanced Trauma Life Support® Student</p>	<p>-Formative assessment - Criteria by using rubric score 1, 2, 3,</p>

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	<p>27-28 Management of facial fractures</p> <p>Lecturer: Chakorn</p>	<p>2. Describe the management of facial fractures.</p>			<p>Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012.</p> <p>2. Oral & Maxillofacial Trauma 4th ed. Raymond J. Fonseca, Robert V. Walker, H. Dexter Barber, Michael P. Powers, David E. Frost, editors. St. Louis, Mo: Elsevier/ Saunders; 2013</p> <p>- Experience of advisor in discussion.</p>	<p>Course Manual 10th ed. Chicago: American College of Surgeons; 2018.</p> <p>2. Choi, J., Lorenz, H. P., & Spain, D. A. (2020). Review of facial trauma management. Journal of Trauma and Acute Care Surgery, 88(4), e124–e130. doi:10.1097/ta.0000000002589</p> <p>3. Dos Santos, K. W., Rech, R. S., Wendland, E. M. D. R., & Hilgert, J. B. (2019). Rehabilitation strategies in maxillofacial</p>	<p>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>

Session No./ 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
						trauma: systematic review and meta-analysis. Oral and Maxillofacial Surgery. doi:10.1007/s10006-019-00808-8	
9 th wk (4 hours) Dec 19, 2019	<p>29-30. Correction of dentofacial deformities 1 (orthognathic surgery)</p> <p>31-32. Correction of dentofacial deformities 2 (orthognathic surgery)</p> <p>Lecturer: Somchart</p>	1. Explain the correction of dentofacial deformities.	1, 3, 5, 7	-Interactive lecture. - Small classroom discussion.	<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. Local Flaps in Facial Reconstruction, 3rd ed. Shan R. Baker, editor. Philadelphia:</p>	<p>1. Sancar Atac, M. (2019). Current Approaches in Orthognathic Surgery. Current Approaches in Orthodontics. doi:10.5772/intechopen.83547</p> <p>2. Tran NH, Tantidhnazet S, Raocharernporn S, Kiattavornchareon S, Pairuchvej V, Wongsirichat N. Accuracy of Three-Dimensional</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> <p>• Daily observed assessment.</p> <p>- Feedback</p> <p>At the end of each</p>

Session No./ 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
					<p>Elsevier Saunders; 2014.</p> <p>3. Essentials of Orthognathic Surgery, 2nd ed. Johan P. Reyneke, editor. Hanover Park: Quintessence Publishing Co Inc.; 2010.</p> <p>4.. Maxillofacial Trauma and Esthetic Facial Reconstruction, 2nd ed. Peter Ward Booth, Barry L. Eppley, Rainer Schmelzeisen, editors. St. Louis: Elsevier Saunders; 2012.</p> <p>- Experience of</p>	<p>Planning in Surgery-First Orthognathic Surgery: Planning Versus Outcome. J Clin Med Res. 2018;10(5):429-436 . doi:10.14740/jocmr 3372w</p> <p>3. Cunningham, S., Johal, A. Orthognathic correction of dento-facial discrepancies. Br Dent J 218, 167–175 (2015). https://doi.org/10.1038/sj.bdj.2015.49</p>	<p>assessment.</p>

Session No./ 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
9 th wk. (4 hours) Dec 20, 2019	<p>33-34. Dental digital technology in orthognathic surgery</p> <p>35-36 Dental digital technology in oral and maxillofacial or in dentistry demonstration</p> <p>Lecturer: Somchart</p>	<ul style="list-style-type: none"> - Understand the contemporary digital technologies being used in orthognathic surgery. - Familiarize with digital technology used in OMFS 	1, 3, 5, 7	<ul style="list-style-type: none"> -Interactive lecture. - Small classroom discussion. 	<p>advisor in discussion.</p> <ol style="list-style-type: none"> 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. Local Flaps in Facial Reconstruction, 3rd ed. Shan R. Baker, editor. Philadelphia: Elsevier Saunders; 2014. 3. Essentials of Orthognathic Surgery, 2nd ed. 	<ol style="list-style-type: none"> 1. Jamali, J., Kolokythas, A., & Miloro, M. (2015). Clinical Applications of Digital Dental Technology in Oral and Maxillofacial Surgery. Clinical Applications of Digital Dental Technology, 207–230. doi:10.1002/9781119045564.ch11 2. Lin, H., Lonic, D. & Lo, L., 2018. 3D printing in orthognathic surgery – a literature review. Journal of the Formosan Medical 	<ul style="list-style-type: none"> -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.

Session No./ 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
					Johan P. Reyneke, editor. Hanover Park: Quintessence Publishing Co Inc.; 2010. 4.. Maxillofacial Trauma and Esthetic Facial Reconstruction, 2nd ed. Peter Ward Booth, Barry L. Eppley, Rainer Schmelzeisen, editors. St. Louis: Elsevier Saunders; 2012. - Experience of advisor in discussion.	Association, Volume 117, pp. 547-558. 3. Lin, H., & Lo, L., 2015. Three-dimensional computer-assisted surgical simulation and intraoperative navigation in orthognathic surgery: A literature review. Journal of the Formosan Medical Association, Volume 114, pp 300-307.	
9 th wk. (4 hours) Dec 23, 2019	37-38. Facial cosmetic surgery 1 39-40 . Facial cosmetic surgery 2	1. Explain the facial cosmetic surgery in basic concepts. 2. Explain the facial	1, 3, 5, 7	-Interactive lecture. - Small classroom discussion.	1. Peterson's Principles of Oral and Maxillofacial Surgery -Third Edition. Michael Miloro, G. E.	Reading assignment 1. Aquino, Y.S.J., Steinkamp, N. Borrowed beauty?	-Formative assessment - Criteria by using rubric score 1, 2, 3,

Session No./ 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
	Lecturer: Amornpong	cosmetic surgery in advance concepts.			<p>Ghali, Peter E. Larsen, Waite PD, editors. Shelton, Connecticut: People's Medical Publishing House—USA; 2012.</p> <p>2. Joe Niamtu, III. <i>Cosmetic Facial Surgery</i> 2nd ed. Elsevier; 2018.</p> <p>3. <i>Asian facial cosmetic surgery.</i> Jung I. Park, editor. Philadelphia, PA: Elsevier/ Saunders: 2007.</p> <p>- Experience of advisor in discussion.</p>	<p>Understanding identity in Asian facial cosmetic surgery. <i>Med Health Care and Philos</i> 19, 431–441 (2016). https://doi.org/10.1007/s11019-016-9699-0</p> <p>2. Retana, A. Controversies in Facial Cosmetic Surgery. <i>Oral and Maxillofacial Surgery Clinics of North America</i>, 2017;29(4), 441–446. doi:10.1016/j.coms.2017.07.002</p> <p>3. Kreutz-Rodrigues, L.,</p>	<p>4, 5.</p> <ul style="list-style-type: none"> - Pass examination criteria = 80% of formative assessment score) • Daily observed assessment. <p>-Feedback At the end of each assessment.</p>

Session No./ 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
						Shapiro, D., Mardini, S., & Bakri, K. Landmarks in Facial Rejuvenation Surgery: The Top 50 Most Cited Articles. <i>Aesthetic Surgery Journal</i> . 2019. doi:10.1093/asj/sjz207	
10 th wk. (4 hours) Dec 24, 2019	41-42. Facial neuropathology 43-44. Management of temporomandibular disorders Lecturer : Somsak	1. Explain the etiology, sign& symptoms, management and complication of facial neuropathology 2. To be able to differential diagnosis and management of Temporomandibular disorders.	1, 3, 5, 7	-Interactive lecture. - 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. ORAL AND	1. Benoliel, R., & Eliav, E. Neuropathic Orofacial Pain. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2008;20(2), 237–254. doi:10.1016/j.coms.2007.12.001 2. Wright EF, North SL. Management	-Formative assessment - Criteria by using rubric score 1, 2, 3, 4, 5. - Pass examination criteria = 80% of formative assessment score) • Daily observed

Session No./ 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
					<p>MAXILLOFACIAL SURGERY SECOND EDITION VOLUME II. Robert D. Marciani, editor. St. Louis, Missouri: Saunders/ Elsevier; 2009.</p> <p>3. CONTEMPORARY ORAL and MAXILLOFACIAL SURGERY. 7th ed. James R. Hupp, Myron R. Tucker, III EE, editors. Philadelphia: Elsevier; 2019.</p> <p>- Experience of advisor in discussion.</p>	<p>and treatment of temporomandibular disorders: a clinical perspective. <i>J Man Manip Ther.</i>2009;17(4):247-254. doi:10.1179/106698109791352184</p> <p>3. Gauer RL, Semidey MJ. Diagnosis and treatment of temporomandibular disorders. <i>Am Fam Physician.</i> 2015;91(6):378-386 .</p>	<p>assessment. Feedback At the end of each assessment.</p>
12 th wk. (4 hours) Jan 6,	Final Examination	Explain and analyze about Scope of oral and maxillofacial	4, 5, 9	Writing examination	-		-Summative evaluation - Pass

Session No./ 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
2020		surgery in advance					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

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. Platelet rich fibrin in regenerative dentistry- biological background and clinical indications. 1st ed. Choukroun, Joseph, Miron, Richard J, editors. Hoboken, NJ: Wiley, 2017.
2. Oral and Maxillofacial Medicine: The Basis of Diagnosis and Treatment, 3rd ed. Crispan Scully, editor. Churchill Livingstone; 2013.
3. Oral and Maxillofacial Pathology, 4th ed. Brad W. Neville, Douglas D. Damm, Carl M. Allen, Angela C. Chi, editors. St. Louis; Elsevier; 2016.
4. WHO classification of head and neck tumors 2017. Lyon; IARC. 2017
5. Jatin Shah's Head and Neck Surgery and Oncology, 5th Edition. Shah, Patel, Singh, Wong, editors. Philadelphia; Elsevier; 2020.

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6. Cleft lip and palate Management: A comprehensive atlas. Ricardo D. Bennun, Julia F. Harfin, George K. B. Sándor, David Genecov, editors. Hoboken; Wiley Blackwell; 2016.
 7. Oral & Maxillofacial Trauma 4th ed. Raymond J. Fonseca, Robert V. Walker, H. Dexter Barber, Michael P. Powers, David E. Frost, editors. St. Louis, Mo: Elsevier/ Saunders; 2013
 8. Advanced Trauma Life Support® Student Course Manual 10th ed. Chicago: American College of Surgeons; 2018
 9. Local Flaps in Facial Reconstruction, 3rd ed. Shan R. Baker, editor. Philadelphia: Elsevier Saunders; 2014.
 10. Essentials of Orthognathic Surgery, 2nd ed. Johan P. Reyneke, editor. Hanover Park: Quintessence Publishing Co Inc.; 2010.
 11. Maxillofacial Trauma and Esthetic Facial Reconstruction, 2nd ed. Peter Ward Booth, Barry L. Eppley, Rainer Schmelzeisen, editors. St. Louis: Elsevier Saunders; 2012.
 12. Joe Niamtu, III. Cosmetic Facial Surgery 2nd ed. Elsevier; 2018.
 13. Asian facial cosmetic surgery. Jung I. Park, editor. Philadelphia, PA: Elsevier/ Saunders: 2007.
 14. ORAL AND MAXILLOFACIAL SURGERY- SECOND EDITION VOLUME II. Robert D. Marciani, editor. St. Louis, Missouri: Saunders/ Elsevier; 2009.

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
- Cleft Palate-Craniofacial Journal

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- Journal of Oral & Facial Pain and Headache
 - Oral and Maxillofacial Surgery Clinics of North America

Recommended articles

1. Kim, Young-Kyun. Bone graft material using teeth. *Journal of the Korean Association of Oral and Maxillofacial Surgeons*. 2012; 38. 134. 10.5125/jkaoms.2012.38.3.134.
2. Gual-Vaqués P, Polis-Yanes C, Estrugo-Devesa A, Ayuso-Montero R, Mari-Roig A, López-López J. Autogenous teeth used for bone grafting: A systematic review. *Med Oral Patol Oral Cir Bucal*. 2018;23(1):e112-e119. Published 2018 Jan 1. doi:10.4317/medoral.22197
3. Kim, S.M. Definition and management of odontogenic maxillary sinusitis. *Maxillofac Plast Reconstr Surg* 41, 13 (2019). <https://doi.org/10.1186/s40902-019-0196-2>
4. Krishnamurthy S, Vasudeva SB, Vijayasathy S. Salivary gland disorders: A comprehensive review. *World J Stomatol* 2015; 4(2): 56-71
5. Mortazavi, H., Safi, Y., Baharvand, M., Jafari, S., Anbari, F., & Rahmani, S. (2019). Oral White Lesions: An Updated Clinical Diagnostic Decision Tree. *Dentistry journal*, 7(1), 15. <https://doi.org/10.3390/dj7010015>
6. Fitzpatrick, S. G., Cohen, D. M., & Clark, A. N. (2019). Ulcerated Lesions of the Oral Mucosa: Clinical and Histologic Review. *Head and neck pathology*, 13(1), 91-102. <https://doi.org/10.1007/s12105-018-0981-8>
7. Kiattavoranchaen S, Boonsiriseth K, Tantangjaroenchai W,
8. Wongsirichat N. The incidence of oral and maxillofacial lesions (10 years) at the department of oral and maxillofacial surgery, Mahidol University: Odontogenic cysts. *M Dent J* 2015; 35: 1-10.
9. Nyimi BF, Zhao Y, Liu B. The Changing landscape in treatment of cystic lesions of the jaws. *J Int Soc Prevent Communit Dent* 2019;9:328-37
10. Bilodeau, E. A., & Collins, B. M. (2017). Odontogenic Cysts and Neoplasms. *Surgical Pathology Clinics*, 10(1), 177-222. doi:10.1016/j.path.2016.10.006

11. Wright JM, Soluk Tekkesin M. Odontogenic tumors. Where are we in 2017?. *J Istanbul Univ Fac Dent* 2017;51(3 Suppl 1):S10-S30.
12. Rioux-Forker, D., Deziel, A. C., Williams, L. S., & Muzaffar, A. R. (2019). Odontogenic Cysts and Tumors. *Annals of Plastic Surgery*, 82(4), 469-477. doi:10.1097/sap.0000000000001738
13. Bilodeau, E. A., & Collins, B. M. (2017). Odontogenic Cysts and Neoplasms. *Surgical Pathology Clinics*, 10(1), 177-222. doi:10.1016/j.path.2016.10.006
14. Kumar BP, Venkatesh V, Kumar KA, Yadav BY, Mohan SR. Mandibular Reconstruction: Overview. *J Maxillofac Oral Surg*. 2016;15(4):425-441. doi:10.1007/s12663-015-0766-5
15. Batstone, M.D. (2018) Reconstruction of major defects of the jaws. *Australian Dental Journal*, 63: S1 S108- S113. <https://doi.org/10.1111/adj.12596>
16. Alvarez, P. B., Perez-Sayans García, M., Iruegas, M. E. P., & García-García, A. (2015). Radiotherapy and Chemotherapy Treatments in Head and Neck Cancer Patients – Protocol for Management Before, During and After RTP. *Updates on Cancer Treatment*. doi:10.5772/60397
17. Carneiro-Neto JN, de-Menezes JD, Moura LB, Massucato EM, de-Andrade CR. Protocols for management of oral complications of chemotherapy and/or radiotherapy for oral cancer: Systematic review and meta-analysis current. *Med Oral Patol Oral Cir Bucal*. 2017;22(1):e15-e23. doi:10.4317/medoral.21314
18. Wong HM. Oral complications and management strategies for patients undergoing cancer therapy. *Scientific World Journal*. 2014;2014:581795. doi:10.1155/2014/581795
19. Campbell, A., Costello, B. J., & Ruiz, R. L. Cleft Lip and Palate Surgery: An Update of Clinical Outcomes for Primary Repair. *Oral and Maxillofacial Surgery Clinics of North America*, 2010;22(1), 43-58. doi:10.1016/j.coms.2009.11.003

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20. Raghavan, U., Rao, D., Ullas, G., & Vijayadev, V. (2018). Postoperative Management of Cleft Lip and Palate Surgery. *Facial Plastic Surgery*, 34(06), 605-611. doi:10.1055/s-0038-1676381.
 21. Choi, J., Lorenz, H. P., & Spain, D. A. (2020). Review of facial trauma management. *Journal of Trauma and Acute Care Surgery*, 88(4), e124-e130. doi:10.1097/ta.0000000000002589
 22. Dos Santos, K. W., Rech, R. S., Wendland, E. M. D. R., & Hilgert, J. B. (2019). Rehabilitation strategies in maxillofacial trauma: systematic review and meta-analysis. *Oral and Maxillofacial Surgery*. doi:10.1007/s10006-019-00808-8
 23. Sancar Atac, M. (2019). Current Approaches in Orthognathic Surgery. *Current Approaches in Orthodontics*. doi:10.5772/intechopen.83547
 24. Tran NH, Tantidhnazet S, Raucharernporn S, Kiattavornchareon S, Pairuchvej V, Wongsirichat N. Accuracy of Three-Dimensional Planning in Surgery-First Orthognathic Surgery: Planning Versus Outcome. *J Clin Med Res*. 2018;10(5):429-436. doi:10.14740/jocmr3372w
 25. Cunningham, S., Johal, A. Orthognathic correction of dento-facial discrepancies. *Br Dent J* 218, 167-175 (2015). <https://doi.org/10.1038/sj.bdj.2015.49>
 26. Jamali, J., Kolokythas, A., & Miloro, M. (2015). Clinical Applications of Digital Dental Technology in Oral and Maxillofacial Surgery. *Clinical Applications of Digital Dental Technology*, 207-230. doi:10.1002/9781119045564.ch11
 27. Lin, H., Lonic, D. & Lo, L., 2018. 3D printing in orthognathic surgery - a literature review. *Journal of the Formosan Medical Association*, Volume 117, pp. 547-558.
 28. Lin, H., & Lo, L., 2015. Three-dimensional computer-assisted surgical simulation and intraoperative navigation in orthognathic surgery: A literature review. *Journal of the Formosan Medical Association*, Volume 114, pp 300-307.
 29. Aquino, Y.S.J., Steinkamp, N. Borrowed beauty? Understanding identity in Asian facial cosmetic surgery.

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- Med Health Care and Philos 19, 431-441 (2016).
<https://doi.org/10.1007/s11019-016-9699-0>
30. Retana, A. Controversies in Facial Cosmetic Surgery. *Oral and Maxillofacial Surgery Clinics of North America*, 2017;29(4), 441-446. doi:10.1016/j.coms.2017.07.002
 31. Kreutz-Rodrigues, L., Shapiro, D., Mardini, S., & Bakri, K. Landmarks in Facial Rejuvenation Surgery: The Top 50 Most Cited Articles. *Aesthetic Surgery Journal*. 2019. doi:10.1093/asj/sjz207
 32. Benoliel, R., & Eliav, E. Neuropathic Orofacial Pain. *Oral and Maxillofacial Surgery Clinics of North America*, 2008;20(2), 237-254. doi:10.1016/j.coms.2007.12.001
 33. Wright EF, North SL. Management and treatment of temporomandibular disorders: a clinical perspective. *J Man Manip Ther*.2009;17(4):247-254. doi:10.1179/106698109791352184
 34. Gauer RL, Semidey MJ. Diagnosis and treatment of temporomandibular disorders. *Am Fam Physician*. 2015;91(6):378-386.

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	Prof. Dr. Natthamet Wongsirichat			natthamet.w@mail.wu.ac.th	Office hours
Lecturer	Dr. Manop Khanijou			manak427@gmail.com	appointment in advance
Lecturer	Dr. Kanin Arunakul			kanin08@hotmail.com	appointment in advance
Lecturer	Dr. Naruemon Panpradit			naruemon.pan@mahidol.ac.th	appointment in advance
Lecturer	Dr. Amornpong Vachiramom				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:.....None.....

Types of Learners with special needs:None.....

Support plans and actions

Students can use internet to support their answers when in the classroom.

Online activities and discussion

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.

<h3>Course Policy/Regulations</h3>

- 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
● 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
○ 1.2 Demonstrate ethical behavior in academic and research. No plagiarism	Observe by learning behavior
○ 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
● 2.1 Truly understand in theories and practices of research	Examination and assignments

Knowledge skills/characteristics to be developed	Assessment methods
methodology. Develop self-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

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	Class activities and presentations

Numeracy, communication, and information literacy skills to be developed	Assessment methods
technology in data 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 classroom - Summative assessment -Writing examination	- 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 classroom --Directly Observed Procedural Skills (DOPS) in classroom	- Depend on responsible lecturer or classroom activities.	20%

Assessment form of Participation

Learning Objective	1. Explain concept of advance of Oral and Maxillofacial Surgery; 2. Describe the risk factors, cause, prognosis, treatment, postoperative, complication and prevention.		
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:

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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 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.....

1. 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
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- Presented in national or international conferences
Please specify the conference's detail
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6.2 Sharing results from 6.1

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