

C. Brief Outline of All Courses in The Program

Faculty of Dentistry, Hasanuddin University

Semester 1

Course Title	Course #	Brief Course Outline	Credits
Religious Studies	072U0032	To discuss religious principles and how to implement these principles in dental practice.	2
Indonesian Language	080U0032	To learn the use of proper language for verbal communication and writing scientific papers.	2
Social Concept of Maritime Culture	078U0032	Maritime socio-cultural insight courses are useful for aligning the direction of education in Unhas in accordance with the direction of his vision as a navigator to realize the nature of aspirations for academic society. Lecture material presented in the form of maritime potential and resources, maritime society, demographic maritime facts, maritime culture, BMI development, Indonesian maritime history, basic concepts of social and cultural systems, marine PIP, unhas vision and the objectives of the WSBM course, Indonesian maritime continent (BMI).	2
Study Skills and	101J1113	The final goal of this course is the students are able to explain the principles of learning of Student Centered Learning (SCL) and Problem Based Learning (PBL) method. In addition, students are able to explain and write the method of scientific writing as a basic understanding to find and solve dental and oral health problems based on scientific studies and explain the role and utilization of information technology in the learning process.	3

Biomedicine	102J1115	<p>To Mastering the theoretical concepts of cell and molecular biology, Mastering theoretical concepts microorganisms that cause medical disorders, Mastering the theoretical concepts of Immunology (The concept of immune response and immune response against bacteria, viruses, parasites), Mastering the theoretical concepts of Anatomy and Physiology of the human body: Framework and Muscle, Nervous System, Respiratory System, Blood, Circulation and Cardiovascular, Kidney and Urinary System, Digestive System, Reproduction and Integument, Endocrine and Immune System and Mastering the theoretical concepts of body temperature and metabolism.</p>	5
Basic Medical Sciences 1	103J1115	<p>Basic Medical Science 1 is an integration from anatomical and histological material. This block hopes to further improve the basic knowledge of medical students, before proceeding on the transformation process of the more complex science so that students can understand better the material provided.</p> <p>This course consists of</p> <p>Anatomy: anatomical material that is considered highly relevant to dentistry is the Regio Colli and Facialis and the Nervous System</p> <p>Histology: histologic material that is considered highly relevant to dentistry is the microscopic tissue of the human body composed primarily of tissues present in the oral cavity and the formation of tooth structure.</p>	5
Basic Medical Sciences 2	104J1115	<p>This course is an integration from biochemical and physiological materials. This course hopes to further improve the fundamentals of student medical knowledge, before proceeding on a more complex</p>	5

		<p>process of science transformation. The provision of materials in an integrated manner is expected to increase the level of students' understanding of the material presented.</p> <p>After following the block of Basic Medical Science 2, the expected competence can be achieved that is able to explain all the materials related to the biochemistry and physiology material clearly and structured.</p>	
Total Credits			24

Semester 2

Course Title	Course #	Brief Course Outline	Credits
Science Concept of Art and Technology	079U0032	<p>This course discusses several issues related to the history, concept, dynamics, impacts, integrity and other aspects of science, technology and art that developed until now are based on the vision and mission of the university hasanuddin. After study this course students are expected to have the competence and capacity of complete and comprehensive regarding theoretical concept of the development of science, technology, the arts, the impact of developments in science, technology and art and the integrity and ethical aspects of science and technology as well as expected then be packaged together with the soul of local wisdom for developed and implemented according to the disciplines of dentistry.</p>	2
Citizenship Studies	082U0032	<p>To discuss key issues related to the relationship between individuals and nation-states, nationalism, and forms of national identity.</p>	2
Basic Dental Science 1	131J1125	<p>After following the block of basic dentistry science 1, the expected competence to explain materials</p>	5

		about basic dentistry science 1, related to dental anatomy and embryology, able to master the technique of clinical skill in the form of practicum and make the basis in solving the clinical and practice issues in the field of dentistry.	
Basic Dental Science 2	132J1125	The purpose of this learning block to focus on the knowledge and skills to process dental materials that will be used for the manufacture of restorations and restoration tools in the field of dentistry to restore the optimal stomatognathic function.	5
Clinical Medical Science	133J1124	<p>This block aims to understand the relevant clinical medical sciences as consideration in performing oral and dental treatment in patients who have compromise medic.</p> <p>The final goal of this subject is the students are able to explain the principles and general mastering the theoretical concept of</p> <ol style="list-style-type: none"> a. Clinical medical sciences includes internal disease, E.N.T, skin and sex, eye health sciences, neurology, general surgery b. Preclinical medical science includes anatomy pathology, clinical pathology 	4
Clinical Dental Science	134J1124	<p>Clinical dentistry science is a block that discusses the understanding of basic principles of basic clinical medicine, namely:</p> <ul style="list-style-type: none"> - Basics of microbiology in general - Basics of oral microbiology - The general concept of disease - Immunology basics - The basics of the oral immune system 	4

OSCE 1	135J1122	This course is expected to be able to perform various types of skills in accordance with the 1st OSCE blueprint. Blueprints are arranged based on the type of clinical skills (history taking, extra oral physical examination, interpretation, procedural, communication and patient education) and types of cases that have been practiced in each course block semester 1 and 2. Examination is carried out one day with 7 stations, one to two of which are rest stations. Participants can be divided into several exam rotations. The time of each station is 5-10 minutes with 1 minute to move and read the next station problem. All participants will be assessed directly by an examiner using the check sheet and global rating assessment.	2
Total Credits			24

Semester 3

Course Title	Course #	Brief Course Outline	Credits
English Language	081U0032	To learn the use of proper language for verbal communication and writing in English.	2
Pancasila	084U0012	To discuss the essence of Pancasila values as state ideology.	2
Oral Soft Tissue Disease	201J1115	The student will explain the diagnosis of disease / disorder of the oral soft tissues, conclude the oral soft tissue disease in the form of vesicillobulose and determine its treatment, concluding the soft tissue disease of the mouth due to the manifestation of the systemic disease and determine their treatment, concluding white and red lesions on the oral soft tissue and determine their care, students are able to explain various kinds of lymph and saliva abnormalities,	5

		temporomandibular joints, neurological disorders in the oral cavity, manifestations of blood disorders in the oral cavity, soft tissue benign tumors, malignant tumors and the basics of immunology and AIDS.	
Growth and Development	202J1115	This course discusses all matters related to the development of dento-craniofacial development in children both physically and psychologically, the role of nutrition and radiography and cephalometric analysis is used to strengthen the diagnosis. The learning method consists of lectures, group discussions and clinical skill laboratory.	5
Community and family Dental Science	203J1114	The final objective of this course is the students are able to explain the principles of dentist relation with the community, the patient and the community, and how the dentist role as the family dentist. Then, this course also expects the students to master the science of health behavior and also understand the mechanism of promotive effort and preventive of dentist through the UKGS movement.	4
Dental Caries 1	204J1114	This lesson discusses all the things that are related to the process of the occurrence of dental caries disease and dental tissue disorders in the deciduous teeth and permanent teeth, how to diagnose, how to prevent and care, the skills to prepare the cavity, the selection of restorative materials, manipulation and its application into the cavity. This learning is accompanied by the support capability of reading radiological images to support the diagnosis.	4
Extracurricular Activities	205J1112	Extracurricular activities intended to allow students to develop personality, talents, and abilities in various fields outside the academic field. This activity	2

		was carried out independently from the school and the students themselves to pioneer activities outside school hours. This extracurricular activity itself can take the form of activities in arts, sports, personality development, and other activities that aim positively for the progress of the students themselves.	
Total Credits			24

Semester 4

Course Title	Course #	Brief Course Outline	Credits
Dental Caries 2	231J1125	This course discusses all matters relating to the process of the occurrence of dental caries disease and decay on permanent teeth, how to diagnose, how to prevent and care, preparation skills on the cavity, selection of restorative materials, manipulation and its application into the cavity. This learning is accompanied by the support capability of reading radiological images to support the diagnosis.	5
Periodontal Disease	232J1125	Students are expected to be able to explain all aspects of periodontal tissue examination which will support the enforcement of periodontal disease diagnosis, determine prognosis, plan treatment, perform non-surgical and surgical treatments.	5
Oromaxillofacial 1	233J1125	Oromaxillofacial Block I is a course containing basic science of oral surgery which discusses the understanding, history and development of oromaxillofacial, local anesthesia, oral soft tissue diseases / disorders associated with systemic conditions, systemic diseases associated with oral surgery, emergency obstruction measures related to tooth extraction, local anesthetic techniques and their	5

		complications, dental extraction techniques and their complications, oral surgery of pregnant women.	
Epidemiology, Management and Health Policy	234J1123	To Access & analyze critically the validity of information, Managing health information scientifically, effectively, systematically & comprehensively, Critical & alternative thinking in making decisions, Using the evidence based dentistry approach in the management of dental & oral health, Diagnosing dental & oral health problems, Promote & preventive efforts in the community, Organize practice management and governance of dentistry, Organize the dentist's work environment ergonomically & work safety principles, Applying the basic principles of managing dental practice & its relationship with social aspects.	3
Research Metodology and Biostatistics	351J1113	Research methodology and biostatistics courses in dentistry contain the subject matter, the relationship between science and research, problems, hypotheses and variables of research, preliminary study, population and sampling, research concepts, research design, and data analysis (biostatistics).	3
OSCE 2	236J1123	This course is expected to be able to perform various types of skills in accordance with the 2nd OSCE blueprint. Blueprints are prepared based on the type of clinical skills (history taking, extra oral physical examination, interpretation, procedural, communication and patient education) and types of cases that have been practiced in each course block semesters 3 and 4. Exams are conducted one day with 7 stations, one to two of which are rest stations. Participants can be divided into several exam rotations. The time of each station is 5-10 minutes with 1 minute to move and read the next station	3

		problem. All participants will be assessed directly by an examiner using the check sheet and global rating assessment.	
Total Credits			24

Semester 5

Course Title	Course #	Brief Course Outline	Credits
Pulp-Periapikal Disease	301J1117	The ultimate goal of this course is that students are expected to be able to know and understand the various diseases of the pulp and periodontal tissues and be able to make the diagnosis through subjective, objective and radiographic examination and to determine the appropriate treatment plan in each case.	7
Oromaxillofacial 2	302J1116	Oromaxillofacial block 2 deals with hard and soft tissue infections of the oral cavity, impaction, Neoplasm, Oral cyst, Congenital aberrations, Trauma, emergency cases, replantation, abnormalities of the salivary glands and jaw joints and minor oral surgical actions. Oromaxillofasial Block 2 holds practicum in the form of ways to perform drainage incision, dentoalveolar surgery, preprosthetic surgery, fixation etc. Students are expected to have the knowledge, experience of the demonstration and take their own action on the model in doing the above actions.	6
Gnatology 1	303J1115	This course discusses the treatment of the patient by using a removable denture either a partial denture or a complete denture. Gnatology Blok 1 is held in the form of ways to conduct examination, diagnose and develop patient care plans to achieve excellent dental and oral health through	5

		<p>promotive, preventive, curative and rehabilitative measures.</p> <p>In addition, the student is able to perform the act of restoring the function of the stomatognathic system through the management of the clinic.</p>	
Thesis	304J1114	<p>Students who carry out the final project or thesis are required to carry out these activities seriously under the guidance of one supervisor. Students must report regularly every development from the implementation of the final project or thesis to the supervisor. Students must fill in the Final Project Log Book or Thesis signed by the supervisor. This Log Book contains activities that students undergo during the Final Assignment process.</p> <p>At the end of the completion of the research activities, students compile the results of their research into scientific papers in the form of final assignments or theses based on the standard systematics of the Procedure of Compilation then multiply them according to the standard format on Procedure for Writing. If the results of the preparation and writing have obtained the approval of the supervisor, students can prepare themselves to take the final assignment or thesis examination.</p>	4
OSCE 3	305J1112	<p>This course is expected to be able to perform various types of skills in accordance with the 3rd OSCE blueprint. Blueprints are prepared based on the type of clinical skills (history taking, extra oral physical examination, interpretation, procedural, communication and patient education) and the types of cases that have been practiced in each course block semester 5. Examination is carried out one day with 7 stations, one to two of which are rest stations. Participants can be divided</p>	2

		into several exam rotations. The time of each station is 5-10 minutes with 1 minute to move and read the next station problem. All participants will be assessed directly by an examiner using the check sheet and global rating assessment	
Total Credits			24

Semester 6

Course Title	Course #	Brief Course Outline	Credits
Stomatognathic	331J1126	This course include orthodontic treatment, stomatognathic system, craniofacial typology, malocclusion of dentofacial abnormalities, biomechanics of tooth movement, analysis of space requirements, removable orthodontic, traumatic ulcer and dental material	6
Gnatology 2	332J1124	<p>This course discusses about patient care by using a fixed denture both crown and bridge denture.</p> <p>Gnatology blok 2 holds practicum about the ways to make fixed denture treatment both crown and denture bridge, Selecting the type of design for the manufacture of fixed denture, tackling the problems after the insertion of fixed denture.</p> <p>In addition, the student is able to perform the act of restoring the function of the stomatognathic system through clinic management.</p>	4
Geriodontology	333J1124	After following this course, students are expected to understand the issues related to the elderly, ranging from population growth are increasing rapidly, various theories that support the aging process, the changes that occur in the oral cavity both physiologically due to aging or due to various diseases that accompany the elderly. In	4

		<p>addition students are expected to be able to discuss various analyzes of events or problems that occur in the elderly oral cavity, so that students can establish diagnoses and determine plans for promotion, preventive, curative and rehabilitative in the elderly.</p>	
Forensic (Legal Ethics)	334J1124	<p>The competence that is expected to be achieved is able to understand the ethics of dentistry in performing duties as a professional dentist. able to maintain confidentiality in carrying out his profession both to his colleagues, staff and to all his patients, to know how to communicate to patients and to the patient's family in an equal position, able to distinguish between the rights and obligations of doctors to patients, know how to empathize with all patient complaints , referring patients to more competent peers when required according to applicable operational standards, treating patients humanely without distinction from one another.</p>	4
Comprehensive OSCE	335J1122	<p>This course is expected to be able to perform various types of skills in accordance with the comprehensive OSCE blueprint. Blueprints are arranged based on the type of clinical skills (history taking, extra oral physical examination, interpretation, procedural, communication and patient education) and the types of cases that have been practiced in each block of semester 1 - 6 courses. Exams are conducted one day with 7 stations, one to two of them are rest stations. Participants can be divided into several exam rotations. The time of each station is 5-10 minutes with 1 minute to move and read the next station problem. All participants will be assessed directly by an examiner using the check sheet and global rating assessment.</p>	2

Community Service Program	336J1124	This course is presented with 4 credits with 7 - 8 weeks of implementation time starting from the debriefing process of participants to the collection of reports on the results of the work program implementation. In implementation, students are expected to have leadership skills both in leading themselves, groups and society. They have managerial skills from identifying problems to monitoring and evaluating programs. Students are expected to be able to communicate effectively, work professionally and build collaborative professional teamwork. besides that, it is expected to be able to adapt and understand in assessing socio-culture and diversity of society.	4
Total Credits			24

Semester 7 s/d 10

Course Title	Course #	Brief Course Outline	Credits
Oral Medicine	571J132	The final goal of this course is that students are able to work on the cases required in the field of oral medicine. The required cases are RAS (Reccurence Aphthous Stomatitis), angular cheilitis, traumatic ulcer, normal variation in the mouth, candidiasis. Students are also expected to be able to understand scientific writing methods as a basic understanding to find and solve dental and oral health problems based on scientific studies. The achievement of the subject competence is measured through assessments when working on cases, assignments, and final examinations in the form of MCQ and Objective Structured Clinical Examination (OSCE).	2
Periodontology	572J133	The final goal of this course is that students are able to work on the cases required in the periodontology	3

		<p>field. The required cases are scaling and root planning, curettage, splinting in models, dentin hypersensitivity treatment, gingivectomy. Students are also expected to be able to understand scientific writing methods as a basic understanding to find and solve dental and oral health problems based on scientific studies. The achievement of the subject competence is measured through assessments when working on cases, assignments, and final examinations in the form of MCQ and Objective Structured Clinical Examination (OSCE).</p>	
<p>Oral and Maxillofacial Surgery</p>	<p>671J137</p>	<p>In dental practice a dentist is expected to possess skills in a range of actions that have to do with cases that require radical intervention. Some of the things that are categorized as surgical measures are like tooth extraction, dento-alveolar surgery and benign tumor removal. Included in the dento-alveolar surgery category are: odontectomy, preprosthetic surgery, endodontic surgery. In accordance with Indonesian Dentistry Competency Standard 2015 there are certain limitations for a general dentist, because for certain complex cases must be done by a dentist with a specialist competence in the field of Oral Surgery.</p> <p>Clinical Oral & Maxillofacial Surgery Clinic deals with hard and soft tissue infections of the oral cavity, impaction, tumor, oral cyst, congenital abnormalities, trauma, non-medical emergency cases, transplantation, replantation, abnormalities of the salivary glands and jaw joints and minor oral surgical procedures.</p> <p>This block is held for 9 weeks. Meetings consist of introduction (direction, order, group division), lectures, lab work and tutorial and clinical processes. The final</p>	<p>7</p>

		<p>exam is done according to the academic schedule that is at the end of the 9th week.</p> <p>Students are expected to have the knowledge, experience of the demonstration and take their own action on the patient. The action is conducted for 9 weeks consisting of 5 days of activity starting at 08.00 - 16.00. The final assessment is performed by evaluation in the form of Computer Based Test (CBT) and Objective structured clinical examination (OSCE).</p>	
Conservative Dentistry & Endodontics	573J135	<p>The final goal of this course is the students are able to work on the cases required in the field of conservative and endodontics. The required conservative cases are glass ionomer, amalgam, inlay / onlay, a post and core crown. The endodontic case are pulp capping and root canal treatment in single and multiple root tooth of the maxilla and mandible both in vital and nonvital pulps. Students are also expected to be able to understand scientific writing methods as a basic understanding of finding and solving dental and oral health problems based on scientific studies and understanding the role and utilization of information technology in the learning process. The achievement of the subject competence is measured through assessments when working on cases, assignments, and final examinations in the form of MCQ and Objective Structured Clinical Examination (OSCE).</p>	5
Prosthodontic	672J136	<p>The final goal of this course is the students are able to work on the cases required in the field of prosthodontics. The required cases are complete dentures, removable partial dentures and bridge dentures. Students are also expected to be able to understand scientific writing methods as a basic understanding of finding and</p>	6

		<p>solving dental and oral health problems based on scientific studies and understanding the role and utilization of information technology in the learning process. The achievement of the subject competence is measured through assessments when working on cases, assignments, and final examinations in the form of MCQ and Objective Structured Clinical Examination (OSCE).</p>	
Dental Radiology	574J132	<p>After attending the course of this profession, students are expected to be able to master the procedure of taking 2D intraoral and extra oral radiography photographs in general, able to master the procedure and do the photo taking of perapikal paralleling and bisecting techniques, able to master the procedure and do bitewing photo taking, able to master the procedure and do taking pictures of panoramic, capable of mastering procedures and taking photographs of cephalometrics, able to interpret radiographs of caries cases, able to interpret radiographic images of cases of periodontitis, able to interpret radiographic images of periapical abscess / granuloma cases / cysts, able to interpret long radiographic features of work, capable of interpreting radiographic features of edentulous cases for indication of bridge denture manufacture, capable of interpreting radiographic images of impacted canine teeth with occlusal radiographs, able to interpret images of radiographic panoramic dental impaction. Students are also expected to be able to understand the latest research and developments in dental radiology through international journals. The achievement of subject competencies is measured through assessment on case</p>	2

		work, assignment, and final exams in the form of MCQ and Objective Structured Clinical Examination (OSCE).	
Orthodontics	675J135	The final goal of this course is that students are able to work on the cases required in the orthodontics field. The required case is dental malocclusion using removable orthodontic. Students are also expected to be able to understand scientific writing methods as a basic understanding to find and solve dental and oral health problems based on scientific studies. The achievement of the subject competence is measured through assessments when working on cases, assignments, and final examinations in the form of MCQ and Objective Structured Clinical Examination (OSCE).	5
Pediatric Dentistry	673J133	The final objective of this course, students are expected to be able to know, understand and promote and preventive treatments such as Dental Health Education in children, fluorically opaque applications, closure of pits and fissures. In addition, students are expected to be able to perform curative and rehabilitative treatments such as dental care, pulpotomy, root canal treatment, pulpectomy and space retainer / space regainer treatment. Students are also expected to be able to understand scientific writing methods as a basic understanding to find and solve dental health problems and mouth based on scientific studies and understand the role and utilization of information technology in the learning process. Achievement of subject competency is measured through assessment during case work, assignment, and final exams in the form of MCQ and Objective Structured Clinical Examination (OSCE).	3

Dental Public Health Science	674J133	The final goal of this course is the students are able to do counseling at the community health center, conduct community dental health research. Students are also expected to be able to understand scientific writing methods as a basic understanding to find and solve dental and oral health problems based on scientific studies. The achievement of the subject competence is measured through assessments when working on cases, assignments, and final examinations in the form of MCQ and Objective Structured Clinical Examination (OSCE).	3
Total Credits			36

Summary

Program	Credits
Bachelor Program	144
Clinical Clerkship Program	36
Total Credits	180