

Subject Code: 1RI3000102	Subject Title: Essentials of Disciplinary Research Subject-1 Subject Sub-Title: Oral Medicine
Pre-requisite Subject	-----

Objectives of course:

1. To impart research skills in handling scientific problems pertaining to oral Diagnosis.
2. To impart research skills in handling scientific problems pertaining to oral treatment.
3. To introduce the student to the basic statistical methods used in dental research, the interpretation of results of statistical analysis and the statistical content of published research paper.

Learning outcomes:

1. To have a clear understanding of clinical dexterity and academic knowledge of diseases, their diagnosis & management.
2. To have an idea of advanced research activities in Oral Medicine.
3. On completion of the course, the student should be able to address statistical issues when formulating a research project and to appraise the basic statistical content of a published dental research paper.
4. The research work should be beneficial to the society by the way of introducing newer concepts in context of diagnosis and management of diseases.

Teaching Scheme (Credit Distribution)				Assessment Scheme (Weightage)	
Lecture	Tutorial	Practical	Credit	Hall Exam	Continuous Evaluation
4	--	--	4	60%	40%

Subject Content					
Unit	Topic			No. of Lecture	Weightage %
1	Applied Anatomy of the Head & Neck region and oral cavity			-	10
2	Ulcerative and vesiculobullous lesions			-	10
3	Potentially Malignant lesions of oral mucosa			-	15
4	Oral cancer			-	15
5	Pigmentation of oral tissues			-	10
6	Orofacial pain			-	10
7	TMJ disorders			-	10
6	Salivary gland disorders			-	10
7	Acquired & congenital diseases of teeth			-	10

8	Systemic diseases and their dental considerations	-	10
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List of References:

1. Burket's Oral Medicine: Diagnosis and Treatment, 10th, 11th & 12th Editions. B C Decker.
2. Weldon E. Bell. Orofacial Pains Classification, Diagnosis & Management. 1985 by Year Book Publishers.
3. Shafer WG, Hine MK, Levy BM: A Textbook of Oral Pathology. 4th to 8th Editions.
4. Neville, Damm, Allen & Chi: Oral and Maxillofacial Pathology. 2nd to 4th Editions. Saunders.
5. Gary C. Coleman, John F. Nelson. Principles of Oral Diagnosis. 1992 by Mosby-Year Book.
6. Steven L. Bricker, Robert P. Langlais, Craig S. Miller. Oral Diagnosis, Oral Medicine and Treatment Planning. 2nd Edition. 2002 by BC Decker.
7. Samuel Charles Miller. Oral Diagnosis and Treatment: A Textbook for Students and Practitioners of Dentistry and Medicine. 1946 by Blakiston's son & co.
8. Sonis S. T., Fazio R. C. and Fang L. Principles and Practice of Oral Medicine. 2nd Edition. 1994 by Saunders.

Continuous Assessment includes assignments, discussion of 5 research papers from peer-reviewed national and international journals and presentation`

Subject Code: 1RI3000103	Subject Title: Essentials of Disciplinary Research Subject-2 Subject Sub-Title: Oral Radiology
Pre-requisite Subject	---

Objectives of course:

1. To develop knowledge and clinical skills pertaining to radiographic interpretation.
2. To develop knowledge of various imaging modalities

Learning outcomes:

1. To have a clear understanding of clinical dexterity and academic knowledge of diseases, their radiographic interoperation and diagnosis
2. To have an idea of advanced knowledge in Oral Radiology
3. On completion of the course, the student should be able to address statistical issues when formulating a research project and to appraise the basic statistical content of a published dental research paper

Teaching Scheme (Credit Distribution)				Assessment Scheme (Weightage)	
Lecture	Tutorial	Practical	Credit	Hall Exam	Continuous Evaluation
2	--	--	2	60%	40%

Continuous evaluation is based on assignments/quiz/presentation/small projects as per the supervisor instructions.

Subject Contents			
Unit	Topic	No. of Lecture	Weightage %
1	Radiation physics, Radiation biology, Radiation safety and protection	-	20
2	Intra-oral and extra oral radiography	-	15
3	Advanced Imaging Modalities	-	15
4	Principles of Radiographic interpretation	-	15
5	Advanced Imaging Modalities	-	15
6	Radiographic interpretation: Benign and malignant tumors	-	20

List of References:

1. White S.C., Pharoah, M.J. Oral Radiology: Principles and Interpretation 5th, 6th & 7th Editions. By Mosby.

2. Norman K. Wood, Paul W. Goaz: Differential Diagnosis of Oral and Maxillofacial Lesions. 5th Ed. 1998 by Harcourt Brace and Company Asia Pte Ltd
3. Whaites E. Essentials of Dental Radiography and Radiology 3rd to 5th Editions. Elsevier

Continuous Assessment includes assignments, and presentation