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- b.4 Evaluate causes of failure in fixed Prosthodontics.
 - b.5 Demonstrate the ability to tailor options to match patient expectations.
 - b.6 Evaluate prognosis and procedural errors.
 - b.7 Demonstrate the ability to evaluate critically current research, evaluate methodology and develop critiques of them.
 - b.8 Identify the safe use and maintenance of laboratory instruments and equipment used for the fabrication of fixed restorations.
 - b.9 Anticipate an outline for progress in fixed prosthodontics field.

c. Professional and practical skills:

- c.1 Evaluate and deal with complex issues.
- c.2 Make sound judgments and clear conclusions.
- c.3 Practice to solve problems.
- c.4 Practice to make treatment options for complex clinical cases.
- c.5 Advance their knowledge and understanding and develop new skills to a high level.
- c.6 Practice to be creative and systemic.
- c.7 Make clear conclusion for specialist and non specialist audiences.
- c.8 Advance their knowledge and understanding & to be updated.

d. General and transferable skills

- d.1 Develop their IT skills for data analysis.
- d.2 Develop their use to the Library and other information retrieval systems.
- d.3 Develop continuous review of academic and clinical skills and updating.
- d.4 Advance Inter personal skill to carry responsibilities.
- d.5 Develop the efficient use of information and library.
- d.6 Develop academic and clinical skills for comprehensive cases .
- d.7 Develop skill of communications with other dental specialties.
- d.8 Advance Inter personal skill to communicate with dental team colleagues and others.

4- Course contents: -

No	Topics	Week
1	Current literature in fixed Prosthodontics	1,2,3,4,5
2	Problem solving in fixed Prosthodontics related topics	6,7,8,9,10
3	Biomaterials in fixed Prosthodontics	11,12,13,14,1
4	Review of literature topic dental technology	5,16,17
5	Removable - prostho treatment	22,23,24,25,26,27

6	Perio - prosthodontic treatment	28,29,30,31,32,33,34,35
7	Endo - prosthodontic treatment	36,37,38,39,40,41,42,43
8	Ortho - prosthodontic treatment	44,45,46,47
9	Implant supported restoration	48,49,50,51,52,53
10	Current literature in Fixed prosthodontics a-controversies b-critic	54,55,56,57
11	Rehabilitation	58,59,60

5- Teaching and learning methods:-

S	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Lectures	√	√		
2	Practical demonstration	√		√	√
3	Case description	√	√	√	√
4	Power point presentation			√	√
5	Live show demonstration			√	√

5- Teaching and learning methods of disabled :-

None

7- Activities and sources of teaching and learning :-

S	Activities and resources	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Requirements			√	√
2	Poster presentation			√	√
3	Seminars	√	√		√
4	Workshops			√	√
5	Conference	√	√		√

* Resources :

(Dental clinics equipped with units and instruments – Laboratory – Library)

8- Student assessment :-

a- Student assessment methods

No	Method	Basic knowledge	Intellectual skills	Professional skills	General skills
1	Written examination	√	√		
2	Oral examination	√	√		√
3	Practical examination		√	√	

4	Clinical examination			√	√
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b- Assessment schedule

No	Method	Month
1	Written exam first paper	April or November
2	Written exam second paper	April or November
3	Oral examination	April or November
4	Practical examination	April or November
5	Clinical examination	April or November

c- Weighting of assessments

No	Method	Weight	proportion
1	Written exam first paper	200 degree	33 %
2	Written exam second paper	100 degree	16 %
3	Oral examination	100 degree	16 %
4	Practical examination	50 degree	8 %
5	Clinical examination	150 degree	27 %
	Total	600 degree	100 %

9- List of references

S	Item	Type
1	A- Course Notes	- Lecture's power points
2	B- Essential Books (Textbooks):	- Contemporary Fixed Prosthodontics, 5 th edition 2015 by Rosenstiel - Fundamentals of fixed prosthodontics by Herbert T. shillingburg, 4 th edition
3	C- Recommended Journals:	- Prosthetic dental journal. - J.F Dental materials journal. - A Mercian dental association.
4	D- Periodicals, websites, etc.	www.pubmed.com www.sciencedirect.com www.blackwell.com

10- Matrix of knowledge and skills of the course

S	Items	Details	Basic knowledge	Intellectual skills	Professional skills	General skills
	Course contents	Current literature in	a.1 a.3	b.7	c.2	d.1 d.2

	fixed Prosthodontics				
	Problem solving in fixed Prosthodontics related topics	a.2	b.1 b.5	c.1 c.3	d.5
	Biomaterials in fixed Prosthodontics	a.4	b.8		
	Review of literature topic dental technology	a.3	b.8	c.2	d.3 d.4
	Removable - prosthodontic treatment	a.5 a.6	b.2 b.3	c.6 c.7	d.7
	Perio - prosthodontic treatment	a.5 a.6	b.2 b.3	c.6 c.7	d.7
	Endo - prosthodontic treatment	a.5 a.6	b.2 b.3	c.6 c.7	d.7
	Ortho - prosthodontic treatment	a.5 a.6	b.2 b.3 b.5	c.6 c.7	d.7
	Implant supported restoration	a.7	b.3 b.4 b.6 b.8	c.4	d.6
	Current literature in Fixed prosthodontics a- controversies b-critic	a.7 a.8	b.7 b.5	c.5	d.2 d.3
	Rehabilitation	a.5 a.8	b.7 b.9	c.5	d.8

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