

To passing NG tube	For feeding or decompression of stomach	3
To Pass Foley's catheter	Monitor out put	3
To pass endotracheal tube	To secure airway	1
To pass chest tube	For management of pneumothorax	1
Tracheostomy	To secure airway	1
Haemorrhage control	To know the different methods to control bleeding	1
Suturing	Simple interrupted Vertical mattress Continuous Subcuticular	3
Hand tie	Two hand tie	3
Incision making	Handling of knife	3
Gloving and gowning	Aseptic measure	3
Scrubbing	Aseptic measure	3
Incision and drainage	Management of abscess	1
Barrel bandage	Fracture mandible	4
Turban bandage	Scalp wounds	4
Fine needle aspiration	For diagnosis of swellings	3
True cut biopsy	For diagnosis of swelling	3
Incision biopsy	Oral cavity lesions	1
Lymph nod biopsy	For diagnostic purpose	1
Thyroidectomy	To understand steps	1
Wound debridement	Principles	1
Parotidectomy	To understand steps	1

### **COMPETENCY LEVEL:**

- 1- Observer Status
- 2- Assistant
- 3- Perform under supervision
- 4- Perform under indirect supervision
- 5- Perform independently

### **SYLLABUS / COURSE DETAILS FOR:**

#### **COMMUNITY DENTISTRY:**

#### **Introduction:**

It is a branch, discipline, or specialty of dentistry that deals with the community and its aggregate dental or oral health rather than that of the individual patient.

### **Synopsis of Course:**

This course introduces the basic principles and application of Epidemiology, Public Health and the Pakistani Dental-Health Care System.

This course covers current issues on the prevalence, distribution and influence of plaque-related diseases and emerging oral conditions and the impact of social, cultural and environmental factors on dental health and disease. It introduces the organisation of oral healthcare in Pakistan, application of oral epidemiology research activities and community based oral health promotion activities.

### **Objectives:**

#### Knowledge

The multi-factorial causes of disease, including the interaction of the physical, biological, social (socio economic, cultural and lifestyle) and environmental factors

Principles of how interactions between the physical, social and biological factors cause disease

Principles underlying variation in geographical distribution, prevalence and incidence of disease.

Principles underlying the prevention of disease.

Modes of transmission of communicable diseases

Modes of prevention of communicable diseases

Measurements of disease

Oral healthcare system in Pakistan

Introduction to health promotion

Primary health care approaches in dentistry

Application of basic statistics

Introduction to oral epidemiology

The social, cultural and environmental factors which contribute to health and illness

Measuring oral disease and conditions: common oral indices used

Common oral disease pattern: prevalence and impact of disease trends of caries, periodontal disease and some other dental conditions

The complex interactions between oral health, nutrition, general health, drugs and diseases that can have an impact on dental care and disease

Oral Health Education for the patients and careers :  
Principles and Practice

Principles of general and oral epidemiology

Indices used in measuring oral diseases

The importance and cost effectiveness of community based oral health promotion and preventive measures

Principles of prevention for oral diseases and conditions (Total patient care concept, Population and High Risk Concept, Common Risk Approach)

Principles and importance of health promotion, health education and prevention in relation to dental diseases

Prevention of Oral Diseases I : Specific disease issues (include issues related to diet and dental caries, fluorides, malocclusion, dental trauma, periodontal problems, oral cancer )

Prevention of Oral Diseases II : Targeted population groups (elderly, disadvantaged population, disabled)

The importance and cost effectiveness of preventive measures and community based oral health promotion

Introduction to the oral healthcare system in Pakistan

### **Skills**

Ability to identify the causative and risk factors of disease.

Ability to describe disease patterns in epidemiological and statistical terms.

Ability to take appropriate action in disease prevention and promotion of wellness and health of individuals and the community.

Collection, analysis and presentation of oral health data

Oral health promotion

### **Attitude**

Positive attitude and behaviour towards prevention of disease and the promotion of wellness and health

Appreciate the role of the health team in the prevention of disease and promotion of wellness and health

Develop concern and caring attitude towards the community

<b>Course Description &amp; Objectives:</b>	<b>Suggested Lecture Hours</b>
Introduction to Community Dentistry and Dental Public Health: Concepts of health; disease and illness and factors affecting these states; activities carried out in the field of community dentistry.	2

<p>Oral epidemiology: Definition, uses and principles of epidemiology; Research designs; dental surveys; clinical trials; screening; oral health assessment indices; current concepts about etiology, natural history and epidemiology of oral diseases and conditions having public health implications; assessment of disease risk and predictive tests.</p> <p>Prevention of oral and dental diseases: Levels of prevention; health promotion; specific protection; dental plaque and its role in the etiology of dental diseases; diet; nutrition and dental health; water fluoridation; fluoride supplements; professionally and self-applied topical fluorides; fissure sealing; methods of plaque control; principles and strategies of dental health education and promotion; infection control; protection from radiation and mercury hazards in dental practice.</p>	6
<p>Dental health care delivery system: The structure and financing of dental care, role of dentists, dental auxiliaries and general health workers in oral health care, dental care of people with special needs including the elderly, the handicapped, HIV / AIDS patients, school children, principles and elements of primary health care, ethical issues in dental care.</p>	7
<p>Behavioral sciences: Health behavior and its determinates, attitudes, beliefs and values about health and illness, theories of health behavior, dentist – patient communication, management of stress, fear and anxiety in dentistry, child psychology and behavior management and modification techniques, counseling, motivation and compliance.</p>	6
<p>Introduction to bio – statistics: Types of variables, frequency distribution, measures of central tendency and variability in data, methods of sampling, sampling error, probability, normal distribution, confidence interval, tests of statistical significance, Kappa test.</p>	6
<p>Community Dentistry practical &amp; field assignments:</p> <p style="padding-left: 40px;">A. Clinical Oral Examination</p> <p style="padding-left: 80px;">i Exercise on Models and Extracted teeth</p> <p style="padding-left: 80px;">ii Exercise on patients in out patients</p>	6

department iii Examination of institutionalized population like school children  B. Questionnaire / interview study  i Designing a questionnaire ii. Pilot testing the questionnaire iii Data coding, processing and analysis  C. Planning and conducting a dental health education (D.H.F.) session:  i. Designing D.H.E. material ii Planning, conducting and evaluating (D.H.E) sessions	
Chairside preventive dental procedures i High fluoride gel application ii Fissure sealing iii Dietary counseling iv Plaque disclosing v Instructions about Oral Hygiene measures <ul style="list-style-type: none"> <li>• Tooth Brushing demonstration</li> <li>• Inter-dental cleaning</li> <li>• Chemical control of dental plaque</li> </ul>	7

**BOOKS / TEACHING & LEARNIN AIDS:**

Burt, B. & Eklund, S. (1999) **Dentistry, Dental Practice & The Community**. 5<sup>th</sup> ed. Saunders

Daly B, Watt R, Batchelor P & Treasure E (2002) **Essential Dental Public Health**, Oxford University Press.

Gluck G & Morganstein WM (2002) **Jong's Community Dental Health** 5<sup>th</sup> edition, Mosby

Harris, N.O. & Christen, A.C. (1987) **Primary Preventive Dentistry**. 2<sup>nd</sup> ed. Reston Pub. Co.

Kent GC, AS Blinkhorn. (1993) **The Psychology of Dental Care**. 2<sup>nd</sup> edition, Wright Publication, London

Murray, J.I. (ed.) (1996) **Prevention of Oral Diseases**. 3<sup>rd</sup> ed. Oxford University Press,

Phoon WO & PCY Chen (Eds). (1986) **Textbook of Community Medicine in South East Asia**. John Wiley & Sons

Pine CM (ed.). (1997) **Community Oral Health**. Oxford: Wright Publication

Scrambler Graham. (2003) **Sociology as Applied to Medicine**. 5<sup>th</sup> ed. WB Saunders Company

Wallace RB. Maxcy-Rosenau-Last (1998) **Public Health and Preventive Medicine** Prentice-Hall International