

SHARAVATHI DENTAL COLLEGE AND HOSPITAL, SHIVAMOGGA



BROCHURE CURRICULUM CONTENT FOR ADD-ON COURSES

Add-on courses in addition to the core areas of study offer knowledge and training in specialized skills which in future help the students in work and life too. The objective of these Add-on courses is to provide an opportunity to do an employment oriented/skill-based courses. These courses will include theory along with practicals, and will be conducted by various departments of the college. They are short term courses conducted for 20 hrs spread over 4-5 months after regular class hours. Students will be evaluated by conducting a test at the end of each course.

THE DETAILS OF THE ADD-ON /CERTIFICATE COURSES

S N	Code	Title	Class	Hours	Duration	Time
1	CS	Communication Skills (Kannada)	1 st BDS	20	5 Months	4-5 PM
2	LS	Leadership Skills	2 nd BDS	20	5 Months	4-5 PM
3	PS	Presentation Skills	3 rd BDS	20	5 Months	4-5 PM
4	LS	Lasers	4 th BDS	20	5 Months	4-5 PM
5	CM	Crisis Management	House Surgeon	20	5 Months	4-5 PM
6	CS	Computer Skills	1 st BDS	20	5 Months	4- 5PM
7	PS	Patients Safety	2 nd BDS	20	5 Months	4-5PM
8	PBM	Pedaitric Behavioral Management	3 rd BDS	20	5 Months	4-5PM
9	MOS	Minor Oral Surgical Procedure	4 th BDS	20	5 Months	4-5PM
10	HM	Hematological Investigations Course	House Surgeon	20	5Months	4-5PM

The following teachers are appointed as the resource persons to teach the concern subjects in the various Add On /Certificate courses for following year from 2016

SL NO	COURSES	FACULTY	TEACHING HOURS
1.	Communication Skills (Kannada)	Mr Nataraja S K	20 Hours
2.	Leadership Skills	Dr Kala Bhushan	20 Hours
3.	Presentation Skills	Dr Purushotam	20 Hours
4.	Lasers	Dr Srinidhi M S	20 Hours
5.	Crisis Management	DrUsha	20 Hours
6.	Computer Skills	Mr Raja Manikyam	20 Hours
7.	Patients Safety and Management	Dr Srinidhi Bhat	20 Hours
8.	Pediatric Behavioral Management	Dr Prashanth Babaji	20 Hours
9.	Minor Oral Surgical Procedure	Dr GuruPrasad	20 Hours
10.	Hematological Investigations Course	Dr ShivaKumar	20 Hours

ADD ON COURSE FOR I BDS STUDENTS

TITLE: COMPUTER SKILLS COURSE

INTRODUCTION

Computers are an integral part of professional environment in 21st century. This is a basic fundamental course that is designed to develop basic computing skills in dental students. The course guides the students to use the computer system and the Internet in a secure and effective manner. Course primarily focuses on the practical approach rather than theoretical .

COURSE DURATION AND SYLLABUS:

20 Hours theory and practical sessions from course Instructor. Evaluation of participants at the end of course.

Syllabus:

Basics of Windows 10

Using Internet

Microsoft Word

Microsoft PowerPoint

Practical session on Microsoft Word

Practical session on Microsoft PowerPoint

ADD ON COURSE FOR I BDS STUDENTS

TITLE: BASIC KANNADA CLASSES

INTRODUCTION

Language is source of communication among people. Being able to communicate and understand different languages helps us in many ways and that too when it comes to health profession it has a lot more importance. As our Institute has students joining us from different parts of the country, it becomes very important for us to teach these students basic Kannada. It helps build confidence in young dentists to communicate with their patients which in turn helps patients to develop trust on their Doctors.

Course duration of 20 hrs followed by evaluation at the end of the session

SYLLABUS:

Self Introductory words

Words used for Self addressing and addressing the next person

Greeting words

Singular and plural words

Questioning words

Numbers in Kannada

Weekdays, Time and Seasons

Nouns and Pronoun

Parts of the Body

Verbs and Adjectives

Tenses

Most commonly used words for patient communication

Basic sentences to communicate with patients

Diagnosis and treatment plan

Patient interaction

Patient Case sheet discussion

One to one communication.

ADD ON COURSE FOR II BDS STUDENTS

TITLE: Patient safety and infection control

Course duration-20 hrs.

Medical errors including hospital acquired infections are amongst the foremost causes of death or morbidity next to cardiac diseases and cancer resulting in functional disability, emotional suffering and economic burden among the hospitalized patients.

Program is designed to impart knowledge and skill base required to foster practices of patient safety and infection control in hospitals amongst wide ranging health professionals

Program objective

1. To articulate the key concepts in patient safety, quality, informatics
2. To identify the way in which effective change can occur within complex health care systems
3. To cultivate strategies to address challenges encountered in solving problems related to the interplay of quality, safety and informatics
4. To develop and sharpen leadership skills
5. To integrate key concepts for leadership roles in quality improvement, patient safety and/or informatics within your own health care organization or system.

Syllabus

1. Overview of components of the infectious disease process
 - a) Concept of "The chain of infection"
 - Pathogen or infectious agent
 - Reservoir
 - Portal of exit
 - Portal of entry
 - Mode of transmissions
 - Susceptible host
 - b) Factor influencing the outcome of exposures:
 - Host factors
 - Pathogen or infectious agent factors
 - Environmental factors
2. Methods to prevent the spread of pathogenic organisms in healthcare settings
 - Standard precautions
 - For patient infected with organisms other than bloodborne pathogens
 - Control of routes of transmission
3. High risk practices and procedures capable of causing healthcare acquired infection with bloodborne pathogens
 - Percutaneous exposure
 - Mucous membrane/non-intact skin exposures
 - Parenteral exposures
4. Safe injection practices and procedures designed to prevent disease transmission from patient to patient and healthcare worker to patient
 - unsafe injection practice
 - pathogens including HCV, HBV and HIV can be present in sufficient quantities to produce infection in the absence of visible blood
5. Safe injection practices and procedures designed to prevent disease transmission from patient to healthcare worker
6. Evaluation/surveillance of exposure incidents
 - identification of who is at risk for exposure
 - identification of what devices cause exposure
 - identification of areas/settings where exposures occur, and
 - circumstances by which exposures occur
 - post exposure management

7. Work practice controls
 - general practice
 - modify procedures to avoid injury
8. types of PPE/barriers and criteria for selection

ADD ON COURSE FOR II BDS STUDENTS

TITLE: LEADERSHIP SKILLS

INTRODUCTION:

Leadership skills are the abilities and the capabilities that an individual demonstrate while leading a team, a situation, or life. Skills like essential abilities, especially in higher level executives, to make mindful decisions helps a person delegate, motivate and communicate effectively. The purpose of Introduction to Leadership Concepts is to prepare students to assume increasingly responsible leadership roles in their personal, professional, and academic lives. As such, this course will engage students to think critically about the subject matter and how these concepts have bearing on their lives. The interdisciplinary approach of this class makes the course a valuable elective for any major. This course is not only meant for how to lead a team or organization but basically for establishing leadership skills for themselves to lead a positive life. This course for the II BDS students will sow the seeds of developing leadership skills in them which will become a fruitful tree by the time student will start facing real life situations.

COURSE OBJECTIVE:

- To understand the fundamental concept behind leadership and leading self
- To learn and practice a technique for developing increased self-awareness.

COURSE DURATION AND SYLLABUS:

20 Hours of theory sessions from course mentor. Evaluation of participants at the end of course.

- Introduction to the course
- Define the nature of leadership.
- To explain three basic leadership theories
- To explain the necessity of goals.

- Methods to define goals and identify priorities and establish objectives
- Integrity and values
- Courage
- Principles
- Vision
- Personal leadership and leadership styles.
- Good communication skills ,especially listening skills
- Coaching skills
- Leadership in groups: building and leading efficient teams
- Negotiation skills
- Organizing efficiency
- Decision making.

ADD ON COURSE for III BDS: PEDIATRIC BEHAVIOUR MANAGEMENT

Introduction:

Management of children in the dental operatory overcoming their fear and anxiety and providing them with adequate and appropriate dental care and to instill a positive dental attitude in the child is one the most important aspects of pediatric dentistry. Behaviour management is the means by which the dental health team effectively and efficiently performs dental treatment and thereby instills a positive dental attitude in a child. This course guides the budding clinicians from our institution to gain an early knowledge in managing the child's behaviour from the child's first visit and efficiently perform the child's treatment making it a memorable and pleasant experience for the child.

Objectives:

- ❖ Behaviour management course offers information on establishing communication with the child, alleviate the child's dental fear and anxiety, promote patient's and parents' awareness of the need for good oral health and the process by which it is achieved, promote the child's positive attitude towards oral health care, build a trusting relationship between dentist/staff and child/parent, and provide quality oral health care in a comfortable, minimally restrictive, safe, and effective manner.
- ❖ Participants at the end of the course are expected to have a thorough knowledge and understanding of various behaviour management techniques and using these techniques to successfully modify the child's behaviour to cooperate with dental treatment.

Significance:

To orient the students to the importance of behavior management based on individual pediatric age groups (0-3, 3-6, 6-12, and 12-18 years) as well as children and some adults with special needs.

Course duration and syllabus:

20 hours of theory and practical sessions from course mentors. Pre and post evaluation of participants at end of each session

- Theory session on:
 - ❖ Introduction to behavior management
 - ❖ Types of fear and anxiety
 - ❖ Types of cry
 - ❖ Behavior rating scale
 - ❖ Informed consent
- Non-pharmacological behavior management techniques
- Communication
 - Verbal

- Nonverbal
- Voice control
- Behaviour shaping techniques
 - Desensitization- Tell-Show-Do technique
 - Modeling
 - Contingency management
- Demonstration on communication using euphemisms, tell-show-do, modeling, positive and negative reinforcement
- ❖ Other behavior management techniques:
 - Distraction
 - Coping
 - Humour
 - Audioanalgesia
- ❖ Physical restraints and HOME
- ❖ Demonstration on the use of active and passive physical restraints
- ❖ Pharmacological behavior management techniques
 - Oral sedation
 - Conscious sedation
 - General anesthesia
- ❖ Post course evaluation of participants

SHARAVATHI DENTAL COLLEGE AND HOSPITAL, SHIVAMOGGA.

ADD ON COURSE FOR III BDS STUDENTS

TITLE: PRESENTATION SKILLS

INTRODUCTION:

Presentation skills are critical to success in nearly every field. It's very important to learn presentation that will hold people's attention, present your ideas with confidence and engage an audience by presenting well organized subject or material in an understandable format. This course on presentation skills for III BDS students will help to improve or develop the confidence of the student in their carrier .

COURSE OBJECTIVE:

- To develop practical strategies that can help you to identify end goal and confidently present yourself in every different situations by accurate preparation.
- To develop personal credibility with superior qualities where presenting oneself will become fruitful to all the recipients or audience.

COURSE DURATION AND SYLLABUS:

20 hours theory sessions from course mentors. Evaluation of participants at the end of course.

- Understanding the ambience
- Presenting yourself (Preparation, rehearsal and delivery, voice, contact, taking feedback)
- Workplace
- Interaction with the staff
- Mannerism

- Cleanliness, sterilization
- Presentaion behavior
- Body language
- Appearance

ADD ON COURSE FOR IV BDS STUDENTS TITLE: LASERS

Introduction:

In the past decade, the use of lasers in dentistry and periodontics has increased significantly. Laser therapy in periodontics allows the clinician to work effectively and efficiently to bring about atraumatic outcome and better patient compliance. This course guides the budding clinicians from our institution to gain an early knowledge in laser dentistry, focusing mainly on effective treatment plan with practical approach

Course objective and learning outcomes:

- Comprehensive theoretical and clinical learning on lasers, including hands on demonstration on models and live demonstration of a case
- Participants at the end of the course are expected to have a thorough knowledge and understanding of lasers, laser assisted periodontal therapy, treatment indication of lasers in different fields of dentistry

Course duration and syllabus:

20 hours of theory and practical sessions from course mentors. post evaluation of participants at end of the session

- Theory session on basics of laser, laser physics, laser tissue interaction, and different types of lasers

- Application of lasers in general dentistry and periodontal practice
- Theory session on laser safety
- Demonstration handling of equipment
- Evaluation of knowledge and understanding of session
- Discussion and review of different preoperative cases and treatment planning
- Demonstration of laser usage on models (animal and vegetable)by the mentors
- Hands on practicing by the participants on the models
- Evaluation of knowledge and understanding of previous session
- Live demonstration of treatment procedure on patient by course mentor and observation by the participants
- Preoperative discussion and treatment planning using laser of different cases (operculectomy, gingivectomy, frenectomy and depigmentation)
- Evaluation of knowledge and understanding of previous session
- Live demonstration of treatment procedure on patient by the course mentor and observation by the participants
- Preoperative discussion and treatment planning using laser of different cases (lanap, pocket decontamination, photobiomodulation, tooth bleaching and tooth desensitization)
- Post session evaluation

DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

ADD ON COURSE FOR IV BDS STUDENTS

TITLE: MINOR ORAL SURGICAL PROCEDURES

INTRODUCTION:

Oral & Maxillofacial Surgery is a specialized department where procedures are performed by an oral surgeon to treat diseases, correct oral conditions and improve the appearance of a patient's smile. Oral procedures may be Minor and Major in nature. Minor oral surgeries are more routine and are performed on day care basis. Major oral surgeries are more comprehensive which might require hospital admission and multi departmental treatment approach.

Minor oral surgery includes removal of retained or Burried roots, Broken teeth, Wisdom teeth and Cysts of the upper and lower jaw. It also includes Apical surgery and removal of small soft tissue lesions like Mucocele, Ranula, High labial or Lingual frenum etc in the mouth. These procedures are carried out under local anesthesia with or without IV sedation and have relatively short recovery period.

COURSE OBJECTIVE AND LEARNING OUTCOMES

This course guides the budding clinicians from our institution to gain a theoretical and practical knowledge in minor oral surgical procedure, focusing mainly on effective treatment plan with practical approach including management of in clinic medical emergencies.

- Comprehensive Theoretical and clinical learning on Minor Oral Surgery includes Hands on demonstration on models and live demonstration of a case
- Participants at the end of the course are expected to have a in-depth knowledge of surgical principles, case selection, therapeutic protocols regarding the minor oral surgical procedures in dentistry indications and contraindications of the procedure ,along with treatment aspects of Frenectomy, Ankyloglossia, Mucocele,Ranula, Reimplantation and Supernumerary teeth.
- Minor Oral Surgery : duration and syllabus: 20 hours of theory and practical sessions from course mentors.
- Pre and Post evaluation of participants at end of each session

SYLLABUS:

- Theory session on introduction to Minor Oral Surgical procedure, Anesthetics in surgical procedure, Local Anesthesia and Nerve Blocks
 - Demonstration of instrument and nerve blocks
 - Theory session on routinely done minor oral surgical procedure., suture and suturing techniques
 - Demonstration suturing techniques
 - Evaluation of knowledge and understanding of session
 - Discussion and review of different preoperative cases and treatment planning
 - Demonstration of incision placement and suturing on sponge bed by the mentors
 - Hands on practicing by the participants on the models
 - Management of Medical Emergencies and Demonstration
 - Evaluation of knowledge and understanding of previous session
 - Live demonstration of treatment procedure on patient by course mentor and observation by the participants
 - Preoperative discussion and treatment planning
 - Evaluation of knowledge and understanding of previous session
 - Live demonstration of treatment procedure on patient by the course mentor and observation by the participants)
- **POST SESSION EVALUATION**

DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

ADD ON COURSE FOR HOUSE SURGEONS

TITLE: HEMATOLOGICAL INVESTIGATIONS COURSE

Course duration-20 hrs.

SYLLABUS FOR MICROSCOPES

1. INTRODUCTION
2. OPTICAL PHYSICS
3. DIFFERENT TYPES OF MICROSCOPES
4. HANDS ON HOW TO MOUNT A SLIDE ON THE MICROSCOPE AND VIEW AND ADJUST THE MICROSCOPE

SYLLABUS OF HEMATOLOGY

1. INTRODUCTION
2. PATIENT PREPARATION
3. BLOOD COLLECTION
4. SPECIMEN TYPES AND ANTICOAGULANTS
5. ROUTINE HEMATOLOGIC EXAMINATIONS
 - DETERMINATION OF BLOOD BY SAHLI'S METHOD
 - TOTAL ERYTHROCYTE COUNT BY HEMOCYTOMETER
 - TOTAL LEUKOCYTE COUNT BY HEMOCYTOMETER
 - DIFFERENTIAL LEUKOCYTE COUNT
 - DETERMINATION OF ESR
 - DETERMINATION OF PLATELET COUNT
 - DETERMINATION OF BLEEDING TIME
 - DETERMINATION OF BLOOD CLOTTING TIME

ADD ON COURSE FOR INTERNS

TITLE: CRISIS MANAGEMENT

INTRODUCTION:

Unexpected events occur frequently in all aspects of our daily environment everywhere. Understanding the importance and challenges to individuals when addressing crisis management or emergency situations is vital for the safety and security of human life. This course on crisis management guides the budding clinicians from our institution to gain an early basic knowledge in identifying, preventing and controlling crisis situations. This mainly also helps students to identify potential risks or situations that may precipitate a crisis or emergency and to learn approaches on how to respond to such incidents.

COURSE OBJECTIVE:

- To create awareness of situations that could become crisis
- To plan strategies and implement policies that help to manage emergency crisis
- To recognize the triggering event that precipitates a crisis.

COURSE DURATION AND SYLLABUS:

20 hours theory sessions from course mentors. Evaluation of participants at end of course.

- Introduction to the course
- Defining crisis management.
- Identify what a crisis is.
- Describing the basics of crisis management
- Describing how to establish a crisis management team.
- How to put yourself into action during crisis management.
- Psychology of crisis management decisions.
- Emergency response scenarios.
- Common crisis
- How to implement damage control.
- Crisis management checklist
