



Samhita Adhyayana 1

Course Outcomes: UG

SRI CO No	A1 Course learning Outcomes (CO) AyUG SA1 At the end of the course AyUG-SA1, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Distinguish the different <i>Samhitas</i> , their importance and methodology and familiarize with the tools of <i>Samhita Adhyayan</i> . (eg: <i>tantrayukti</i>)	PO2, PO9
CO2	Interpret and apply the <i>sutras</i> from the <i>Samhitas</i> .	PO1
CO3	Apply and evaluate the <i>Tridosha</i> , <i>Saptadhatu</i> and <i>Mala</i> principles (theory).	PO1, PO3, PO5
CO4	Practice and prescribe <i>Dincharya</i> (daily regimen), <i>Ritucharya</i> (seasonal regimen) and dietary principles for preservation of health.	PO2, PO7, PO8
CO5	Explore and distinguish different types of food, food groups and medicinal <i>dravyas</i> mentioned in <i>Samhitas</i> .	PO1, PO2
CO6	Identify various etiopathological factors and predict different treatment principles	PO1, PO5
CO7	Recognize and explain the fundamentals behind various therapeutics (<i>Shodhan</i> and allied) and parasurgical therapies.	PO2, PO5
CO8	Develop a code of behavior and show mature behaviour in particular to the scientific deliberations.	PO 6, PO 9





Padarth Vidnyana:

Course Outcome UG

CO	Course learning Outcomes (CO) AyUG-PV At the end of the course AyUG-PV, the student should be able to-	Course learning Outcome matched with program learning outcomes.
CO 1	Illustrate the scope and utility of Ayurveda	PO1
CO 2	Explain Philosophical foundation of Ayurveda, Principles (Siddhantha) of Darshana along with their similarities and relevance in Ayurveda and contemporary sciences.	PO1, PO2, PO6
CO 3	Analyse and interpret Padartha (Prameya) in Darshana and Ayurveda. Recognize their applications in Ayurveda.	PO1, PO2, PO9
CO 4	Distinguish, analyse and apply concept of Pramana shastra (Epistemology) in Darshana and Ayurveda. Demonstrate their applications in Ayurveda.	PO1, PO2, PO9
CO 5	Analyse and apply concept of Karya Karana Bhava in Ayurveda.	PO1, PO2, PO9





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CO 7	Develop the ethical responsibility towards the profession, society and human being. सामाजिक- औद्योगिक-मानुषिक धर्मबोधना	PO-6 & PO-8
Ayurved Itihas		
CO 8	Analyse and explain the important milestones in the history of Ayurveda	PO-1
CO 9	Appreciate the status of Ayurveda in different time periods and Contributions made by different Acharyas to Ayurveda.	PO-1





Kriya Sharir

Course outcome UG

SR 1 CO No	A1 Course learning Outcomes (CO) AyUG KS At the end of the course AyUG-KS, the student should be able to-	B1 Course learning Outcomes matched with program learning Outcomes.
CO 1	Explain all basic principles & concepts of Kriya Sharir along with essentials of contemporary human physiology and biochemistry related to all organ systems.	PO1, PO2
CO 2	Demonstrate and communicate normal and abnormal variables pertaining to Kriya Sharir such as Sara, Agni, Koshtha, Srotas etc.	PO2, PO3
CO 3	Differentiate between Prakriti and Vikriti in the individuals after carrying out relevant clinical examinations.	PO1, PO2, PO3, PO5
CO 4	Carry out clinical examination and experiments using equipments with interpretation of their results	PO4
CO 5	Differentiate the strengths & limitations of Ayurved and contemporary sciences	PO2
CO 6	Present a short project work / research activity covering the role of Kriya Sharir in preventive and promotive healthcare.	PO5, PO6, PO7, PO8, PO9
CO 7	Show a sense of curiosity and questioning attitude towards the life processes and to display compassion and ethical behaviour	PO2, PO5, PO6, PO7, PO9
CO 8	Effectively communicate verbally and in writing preferably using Ayurvedic terminology along with contemporary terminology among peers, teachers and community	PO8, PO9



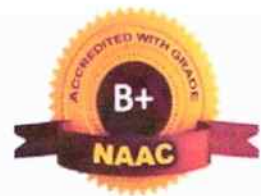


Rachana Sharira :

Course Outcome (UG)

SR1	A1	B1
CO No	Course learning Outcome (CO) AyUG RS At the end of the course AyUG RS, the student should be able to-	Course learning Outcome matched with program learning outcomes.
1	Describe the fundamentals of Rachana Sharir, interpret and analyze it in relevant context and recognize its significance in Ayurveda	PO1, PO2
2	Explain Garbha Sharir and Embryology in Ayurveda and modern science respectively with clinical significance	PO1, PO2
3	Describe and demonstrate all the bones and joints with attachments of associated structures and its clinical application	PO1, PO2
4	Explain the concept of Sira-Dhamani-Strotas, their organization in the human body and its applied aspect	PO1, PO2
5	Identify the Marmas and understand its classification along with its importance in preventive and therapeutic aspect	PO1, PO2
6	Explain and demonstrate the gross anatomy of the organs of various systems and their applied anatomy in perspective of Ayurveda and Modern science	PO1, PO2, PO3
7	Explain the Indriya Sharir and Sensory organs with its application in preventive and therapeutic domain.	PO1, PO2
8	Identify and locate all the structures of body and mark the topography of the living Sharir.	PO1, PO3
9	Respect the cadaver and perform dissection with commitment to reiterate the theoretical aspect of Ayurved Rachana Sharir and contemporary sciences.	PO1, PO3, PO5
10	Describe the basic principles of imaging technologies and identify the anatomical structures in the radiograph	PO1, PO2, PO3





Agad Tantra, Vyavahar Ayurveda and Vidhi Vaidyak

Course Outcomes: UG

- 1 Describe emerging practices within forensic science and toxicology.
- 2 Identify the symptoms of poisoning and its antidotes.
- 3 Demonstrate scientific methods and use problem solving methods within the field of forensic science.
- 4 Analyse crime scenes, physical evidences and have ability to note and document all facts.
- 5 Apply ethical standards of legal responsibilities to professional practice.





Rasashastra and Bhaishajya Kalpana

Course Outcomes: UG

- 1 Describe the drugs of mineral origin, their varieties, characteristics, processing techniques, properties and their therapeutic uses
- 2 Explain drugs, prepare classical drug formulations and improvise the existing.
- 3 Apply preservation and dispensing techniques of prepared drugs.
- 4 Use modern equipments and instruments to improve the processing.
- 5 Implement Good Manufacturing Practices (GMP), patent laws, analytical techniques





Course Outcomes: UG

Dravyaguna

- 1 Describe principles of Dravyaguna including details of herbal origin drugs.
- 2 Explain basic pharmacology including drug nomenclature, dosage forms, drug actions and body responses
- 3 Describe taxonomy of medicinal plants and their methods of cultivation.
- 4 Identify and demonstrate adulteration of drugs and explain a solution for the problem through the fundamentals of Dravyaguna.
- 5 State sources of crude drugs, collection methods, processing and storage of medicinal plants.





Course Outcomes: UG

Rognidan and Vikriti Vigyan

1. Define and describe the basic principles and terminologies of Rognidan, NidanPanchak (pathogenesis), RugnaPareekshan (clinical examination) and Vyadhivinishchaya (diagnosis).
2. Identify Pathology at cellular and gross anatomical level and correlate these with the clinical signs and symptoms.
3. Demonstrate proper handling and disposal of biological materials & maintaining high standard ethics.
4. Relate knowledge of histopathology and morbid anatomy for microscopic examination of tissue sections.
5. Apply appropriate diagnostic procedures in pathological investigations.





Swasthavritta and Yoga

Course Outcomes: UG

1. Explain prevention of diseases through preventive health practices like daily and seasonal regimen.
2. Describe community based preventive measures in respect to communicable and non-communicable diseases.
3. Correlate Environment and human health and determine occupational health hazards.
4. Practice principles of Ayurveda diet system, Yoga Therapy & Naturopathy for well being.
5. Apply the principles of Swasthavritta and Yoga for improving quality of life.





Prasuti Tantra Evam StreeRoga

Course Outcomes: UG

1. Explain pregnancy with assessment of gestational period, fetal positions, abnormalities and Garbha Samskaras.
2. Know PCPNDT ACT, MTP ACT & other legal aspects.
3. Diagnose and treat all diseases of Streeroga and Prasuti Tantra according to Ayurvedic and modern principles.
4. Apply the knowledge of various local treatment procedures like uttarbasti, yonidhavan, yonidhupan.
5. Assess and plan for Ayurvedic treatment in infertility.

Course Outcomes: PG

1. Explain Ayurvedic concepts of the subject from the modern perspectives and apply new parameters for Ayurvedic concepts.
2. Diagnose pregnancy; differentiate between normal and abnormal, assess gestational period, recognize onset of labour and manage labour independently.
3. Explain Garbha samskaras to the patient, assess progress and generate follow-up data.
4. Plan Ayurvedic treatment for infertility; manage obstetrical and gynaecological emergencies and high risk pregnancies.
5. Follow PCPNDT ACT, MTP ACT & other legal aspects.





Kaumarbhritya

1. Describe principles of Kaumarbritya and correlate them to advance Paediatrics.
2. Create awareness of nutrition, proper growth and mental and physical development in children.
3. Diagnose and note all observations critically and implement appropriate treatment plan for diseases.
4. Apply principles of Kaumarbhritya in their clinical practice.
5. Choose appropriate investigations, handle instruments, and apply suitable technology in practice.

Course Outcomes: PG

1. Identify various pediatric disorders and manage them through Ayurveda and modern methods of treatments.
2. Identify and work in the areas like nourishment, immune-modulation and other research areas.
3. Manage neonatal emergencies like preterm, post term, IUGR births.
4. Apply knowledge of human genetics, embryology, growth and development to diagnose chromosomal disorders.
5. Design parameters and assess physical and mental development in children taking Suvarna Bindu Prashan.

Course Outcomes: UG





Kayachikitsa

1. Describe Hetu, Linga, and aushadha and apply basic principles of Kayachikitsa in the treatment of various diseases.
2. Explain the medico legal aspects and follow Good Clinical Practices in ethical framework.
3. Note and present accurate clinical history, examine patient, diagnose and plan treatment accordingly.
4. Infer pathological, radiological and other investigations for the diagnosis and treatment of various diseases.
5. Manage emergencies and critical care patients.

Course Outcomes: PG

1. Diagnose and treat all kinds of patients and manage emergencies with skill and expertise.
2. Understand scope & methods of independent and collaborative research in Kayachikitsa.
3. Implement National Health Programs and other programs from health companions of AYUSH.
4. Follow medical ethics, common laws and regulations, Hospital Management Strategies, etc
5. Manage emerging health challenges and follow evidence based medical practices.

Course Outcomes: UG





Panchakarma

1. Describe basic concepts, standard operative procedures of Panchakarma and their importance in preventing complications.
2. Perform seasonal Panchakarma procedures as preventive or curative measure in various diseases.
3. Diagnose diseases, decide appropriate Panchkarma procedure, prepare and administer medications accordingly.
4. Manage complications of Panchkarma in practice.
5. Implement appropriate Physiotherapy treatment modalities in various diseases.

Course Outcomes: PG

1. Describe and apply basic concepts of Panchakarma with standard operative procedures as preventive and curative measures.
2. Explain and perform seasonal Panchakarma procedures and know their applied aspects.
3. Diagnose diseases, plan and schedule procedures, and make use of newer techniques for procedures.
4. Formulate medications of newer combinations to use in procedures for complex and chronic diseases.
5. Evaluate treatment outcomes to assess improvement in the patient and generate data on large scale for further researches and publications in the subject.

Course Outcomes: UG





Shalya Tantra

1. Explain ancient surgical procedures in relation to modern Surgery.
2. Demonstrate proper examination, surface markings and treatment.
3. Diagnose ano-rectal diseases and use Ksharsutra in the treatment.
4. Use recent advances in technology, instrumentation and investigation in surgical procedures.
5. Identify and explore the areas of research in the field of Ayurvedic surgery.

Course Outcomes: PG

1. Describe Ayurvedic techniques and methods of surgical procedures in comparison to modern.
2. Perform proper surgical examination and procedures as per Ayurveda and modern science.
3. Use various types of Anushastra such as Kshara, Agnikarma and Viddhakarma in practice.
4. Implement recent advances in investigation, instrumentation and technology in surgical procedures.
5. Perform evidence based research in ancient methods of surgery using advanced technology.



Course Outcomes: UG



Shalakya Tantra

- 1 Explain basic principles of UrdhvjatrugatVyadhis
- 2 Perform examination of Urdhvjatru, diagnose and manage common diseases by applying various concepts of treatment.
- 3 Prepare and use kriyakalpas in the treatment of various ophthalmic disorders.
- 4 Compute refractive errors and suggest appropriate rectification.
- 5 Apply various preventive and curative procedures in UrdhvajatrugatVyadhis.

Course Outcomes: PG

1. Diagnose and manage complex and chronic UrdhvjatrugatVyadhis.
2. Implement modern scientific knowledge for extensive Ayurvedic clinical practice.
3. Perform various clinical and surgical procedures with skill and expertise.
4. Prepare and use kriya kalpas in the treatment of various ophthalmic disorders and generate data for researches.
5. Perform evidence based research in ancient methods of Shalakya Tantra with the help of advanced technology.



Course Outcomes: UG



Research Methodology

1. Describe and apply research methodologies, tools and levels of research.
2. Have scientific and inductive thinking and apply it in the promotion of Ayurveda.
3. Use modern instruments and tools of data management for developing an evidence base.
4. Infer statistical data of various research to know their significance.
5. Develop research methodologies which will be applicable to interpret Ayurvedic concepts into modern terminologies.



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