

## 2.6- Students Performance and Learning Outcomes

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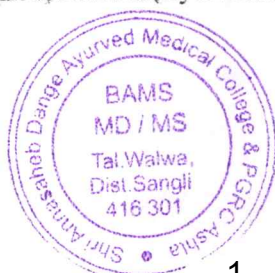
## Course Code and Name of Course

	Course code	Name of Course
	AyUG-SA1	Samhita Adhyayan 1

## AyUG SA1 Course

Table 1- Course learning outcomes and matched PO.

SR1	A1	B1
CO	Course learning Outcomes (CO) AyUG SA1	Course learning Outcomes matched with program learning outcomes.
No	At the end of the course AyUG-SA1, the students should be able to-	
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





### Course Code and Name of Course

	Course code	Name of Course
	AyUG KS	Kriya Sharir (Human Physiology)

### AyUG KS Course

Table 1- Course learning outcomes and matched PO.

SR1 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



## Course Code and Name of Course

	Course code	Name of Course
	AyUG RS	Rachana Sharir (Human Anatomy)

## AyUG RS

Table 1- Course learning outcomes and matched PO.

SR1	A1	B1
CO	Course learning Outcome (CO) AyUG RS	Course learning Outcome matched with program learning outcomes.
No	At the end of the course AyUG RS, the student should be able to-	
CO1	Describe the fundamentals of Rachana Sharir, interpret and analyze it in relevant context and recognize its significance in Ayurveda	PO1, PO2
CO 2	Explain Garbha Sharir and Embryology in Ayurveda and modern science respectively with clinical significance	PO1, PO2
CO 3	Describe and demonstrate all the bones and joints with attachments of associated structures and its clinical application	PO1, PO2
CO 4	Explain the concept of Sira-Dhamani-Strotas, their organization in the human body and its applied aspect	PO1, PO2
CO 5	Identify the Marmas and understand its classification along with its importance in preventive and therapeutic aspect	PO1, PO2
CO 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
CO 7	Explain the Indriya Sharir and Sensory organs with its application in preventive and therapeutic domain.	PO1, PO2
CO 8	Identify and locate all the structures of body and mark the topography of the living Sharir.	PO1, PO3
CO 9	Respect the cadaver and perform dissection with commitment to reiterate the theoretical aspect of Ayurved Rachana Sharir and contemporary sciences.	PO1, PO3, PO5
CO 10	Describe the basic principles of imaging technologies and identify the anatomical structures in the radiograph	PO1, PO2, PO3





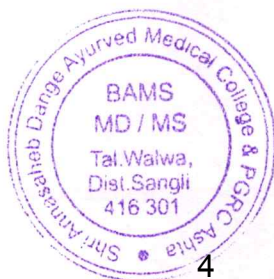
## Course Code and Name of Course

	Course code	Name of Course
	AyUG-PV	Padartha Vijnanam (Fundamental Principles of Ayurveda and Quantum Mechanics)

## AyUG-PV Course

Table 1- Course learning outcomes and matched PO.

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



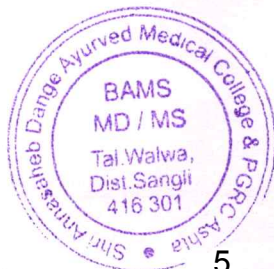
## Course Code and Name of Course

Course code	Name of Course
AyUG SN & AI	Sanskrit and Ayurved Itihas

### AyUG SN & AI Course

Table 1- Course learning outcomes and matched PO.

SR1 CO No	A1 Course learning Outcome (CO) AyUG SN & AI At the end of the course AyUG SN & AI, the student should be able to-	B1 Course learning outcomes matched with program learning outcomes.
<b>Sanskrit</b>		
CO1	Read and recite Prose (गद्यः) and poem (पद्यः) with the appropriate accent (उच्चारणस्थानानि तथा बाह्याभ्यन्तरप्रयत्नानि). उच्चारणस्थानानां बाह्याभ्यन्तरप्रयत्नानां च सहाय्येन पाठने तथा लेखने सामर्थ्यम्	PO-5, PO-6, PO-7, PO-8, PO-9
CO 2	Apply various Technical Terms in Ayurveda (परिभाषाशब्दाः), Nouns & Pronouns (नामरूपाणि तथा सर्वनामरूपाणि), Verbs (धातुरूपाणि), suffixes (प्रत्ययाः), Grammatical Terms (संज्ञा), Syntax (संधी) and Compounds (समासाः) from Sanskrit Grammar for enhanced interpretation of Ayurveda texts (आयुर्वेद संहिताः). परिभाषाशब्देषु नामरूपेषु सर्वनामरूपेषु क्रियापदेषु प्रत्ययेषु संज्ञासु सन्धिषु समासेषु च ज्ञानं तद्द्वारा आयुर्वेदसंहितासु अर्थावबोधनम् प्रायोगिकविज्ञानञ्च	PO-5, PO-7, PO-9
CO 3	Discriminate and interpret the Cases & meanings (विभाक्त्यर्थ) used in various verses of Ayurveda texts (आयुर्वेद संहिता). कारकविभक्त्यर्थादिषु परिज्ञानं तथा आयुर्वेदसंहितासु तेषां प्रयोगपरिचयञ्च	PO-5, PO-7, PO-9
CO 4	Formulate the Prose order (अन्वयः) of Slokas/Sutras in Ayurveda Textbooks (संहिता) to derive the meaning (वाच्यार्थ), to determine the Scientific Meaning (शास्त्रार्थ) and to Translate (Regional or other language). अन्वयलेखने वाच्यार्थावबोधने शास्त्रार्थावबोधने च सामर्थ्यं अनुवादनपाठवञ्च	PO-5, PO-6, PO-7, PO-8, PO-9
CO 5	Interpret the Synonyms (पर्यायाः) and Derivations (निरुक्ति) of Ayurveda Terms using samskrita dictionaries (संस्कृत शब्दकोश). कोशग्रन्थानां सहाय्येन आयुर्वेदे विद्यमानानां पदानां तेषां पर्यायानाञ्च निरुक्तिपूर्वक परिज्ञानं तेषां प्रयोगे परिचयञ्च	PO-5, PO-7, PO-9
CO 6	Speak, Write and Summarize and Express in Sanskrit (संस्कृतम्). संस्कृतभाषायां भाषणे लेखने सङ्क्षिप्य लिखने अर्थप्रकाशने च सामर्थ्यम्	PO-5, PO-6, PO-7, PO-8, PO-9
CO 7	Develop the ethical responsibility towards the profession, society and human being. सामाजिक- औद्योगिक-मानुषिक धर्मबोधता	PO-6 & PO-8
<b>Ayurved Itihas</b>		
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



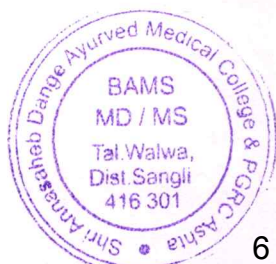


**Course Code and Name of Course**

Course code	Name of Course
AyUG-SA2	Samhita Adhyayan-2

**Table 1- Course learning outcomes and matched PO**

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-SA2 At the end of the course AyUG-SA2, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Justify the Methodology of structuring samhitas and appraise the importance of tools of decoding Charakasamhita (Tantrayukti and vyakhyana)	PO1
CO2	Relate and interpret various references of concepts in Charakasamhita	PO1
CO3	Explain and interpret biological factors and their measurements in the manifestation of diseases.	PO1,PO3
CO4	Explain and utilize various siddhantas in different dimensions of clinical practice.	PO1,PO3,PO5
CO5	Demonstrate the knowledge of dravya and adravya based therapeutics.	PO1,PO3,PO5
CO6	Apply diagnostic guidelines regarding diseases including arishta lakshana based on the principles mentioned in Charakasamhita	PO1,PO3,PO7
CO7	Explore the determinants of health in the background of Charakasamhita.	PO1
CO8	Develop ethical professional and moral codes and conducts as a physician.	PO6,PO8,PO9

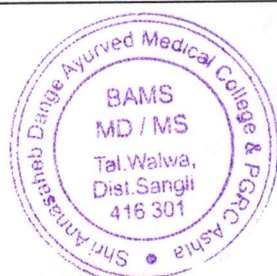


**Course Code and Name of Course**

Course code	Name of Course
AyUG-AT	Agad Tantra evam Vidhi Vaidyaka

**Table 1- Course learning outcomes and matched PO**

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-AT At the end of the course AyUG-AT, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate application of fundamental concepts of Agada Tantra, Vyavahara Ayurveda and Vidhi vaidyaka in real life situations.	PO1,PO2
CO2	Diagnose and manage acute and chronic poisoning due to Sthavara, Jangama and Kritrima visha along with their contemporary relevance.	PO1,PO2,PO3,PO4, PO5
CO3	Demonstrate application of concepts of Dushivisha, Garavisha and Viruddha ahara in prevention, diagnosis and management of diseases.	PO1,PO2,PO3,PO4, PO5
CO4	Demonstrate application of principles of Agada Tantra and therapeutic administration of common Agada yoga and Visha dravya in Clinical practice.	PO2,PO3,PO4,PO5, PO9
CO5	Appreciate research updates in relevance to Agada Tantra and apply for healthcare promotion and social awareness.	PO6,PO7,PO8,PO9
CO6	Demonstrate application of professional skills of Forensic Medicine in handling medico legal issues.	PO2,PO3,PO6
CO7	Demonstrate professional and ethical behavior in discharging the medico-legal duties and responsibilities in abidance to the law.	PO5,PO6,PO8,PO9



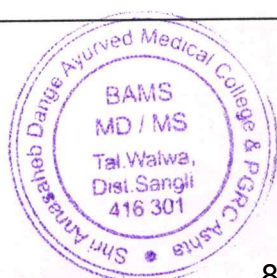


## Course Code and Name of Course

Course code	Name of Course
AyUG-DG	Dravyaguna Vigyan

**Table 1- Course learning outcomes and matched PO**

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-DG At the end of the course AyUG-DG, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate the application of principles of <i>Dravyaguna</i> in clinical practice.	PO1,PO2,PO8
CO2	Analyze and justify the fundamental principles of <i>Dravyaguna</i> in relevance to contemporary sciences.	PO1
CO3	Analyze and interpret <i>Rasa Panchaka</i> of <i>Dravya</i> with their application in clinical practice.	PO5,PO9
CO4	Interrelate the knowledge on Karma (pharmacological actions) with <i>Rasa panchaka</i> and basic contemporary clinical pharmacology.	PO2
CO5	Demonstrate and Justify the ability to select the specific <i>Dravyas</i> , Prashata Bhesaja with different dosage forms in different clinical conditions.	PO3,PO7,PO9
CO6	Demonstrate knowledge of quality control methods of drug.	PO3
CO7	Demonstrate knowledge and skills about <i>Apamishrana</i> (adulterants), <i>Abhava pratinidhidravya</i> (substitutes), <i>Prashastabhesaja</i> (ideal drug) and plant extracts.	PO5,PO6
CO8	Identify the medicinal plants and orient about conservation, cultivation, sustainable utilization & Pharmacovigilance	PO4,PO6
CO9	Demonstrate fundamental principles of applied Pharmacology.	PO2

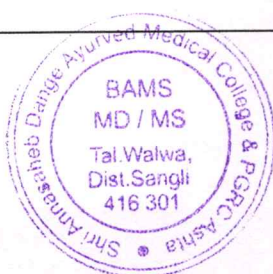


**Course Code and Name of Course**

Course code	Name of Course
AyUG-RB	Rasashastra evam Bhaishajyakalpana

**Table 1- Course learning outcomes and matched PO**

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-RB At the end of the course AyUG-RB, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate application of principles of Ayurvediya Aushadhi Nirmana (Ayurvedic Pharmaceutics)	PO1,PO5,PO7
CO2	Demonstrate application of principles of Ayurvediya Aushadhi Prayoga Vigyana (Clinical Pharmacology)	PO1,PO5,PO7
CO3	Prepare Ayurvedic formulations in adherence to quality control parameters for raw materials, in-process and finished products	PO1,PO3,PO4,PO5, PO6,PO7,PO8
CO4	Justify rationality of selection and administration of Ayurvedic formulations	PO3,PO5,PO6,PO7, PO8,PO9
CO5	Demonstrate application of ethical, legal and regulatory aspects of manufacturing and sale of Ayurvedic formulations.	PO2,PO8,PO9
CO6	Appraise research in current and emerging trend in Ayurvedic pharmaceuticals and allied sciences.	PO7,PO9





**Course Code and Name of Course**

Course code	Name of Course
AyUG-RN	Roga Nidan evam Vikriti Vigyan

**Table 1- Course learning outcomes and matched PO**

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-RN At the end of the course AyUG-RN, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Identify the morbidities in accordance with principles of Ayurveda pathology (vikriti vigyan siddhanta)	PO1
CO2	Describe the basic, general, and systemic pathological process thereby applying it in reaching a diagnosis	PO2,PO3
CO3	Perform appropriate clinical examination (pareeksha) utilizing Ayurveda and contemporary principles (samakalina siddhanta)	PO2,PO3,PO4
CO4	Order and interpret various diagnostic laboratory investigations and imaging	PO2,PO3
CO5	Diagnose and present the case with clinical reasoning (naidanika tarka)	PO5
CO6	Follow and advise advancements in diagnosis (vyadhi vinischaya) and prognosis (sadhya asadhyata) in clinical practice (naidanika adhyayana)	PO7
CO7	Communicate effectively with the patient (rugna), relatives (bandhujan) and other stakeholders (anya hita dhaarakas)	PO8
CO8	Demonstrate ethics (sadvritta), compassion (karuna) and possess qualities of a clinician (vaidya guna)	PO6,PO9

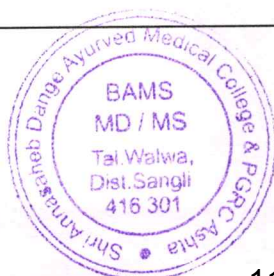


**Course Code and Name of Course**

Course code	Name of Course
AyUG-SW	Swasthavritta evam Yoga

**Table 1- Course learning outcomes and matched PO**

SR1 CO No	A1 Course learning Outcomes (CO) AyUG-SW At the end of the course AyUG-SW, the students should be able to-	B1 Course learning Outcomes matched with program learning outcomes.
CO1	Demonstrate application of principles of Swasthavritta in lifestyle modifications.	PO1,PO2,PO4,PO6
CO2	Assess the health status and advise preventive & promotive measures according to Ayurveda principles	PO3
CO3	Demonstrate and advise Yoga and Naturopathy as health promotive and disease preventive regimen	PO1,PO4
CO4	Understand and apply the principles and components of primary health care and health policies to achieve the goal of health for all	PO2,PO5
CO5	Advocate and propagate preventive principles of Ayurveda and contemporary sciences through Information, Education and Communication(IEC)	PO8
CO6	Conduct community surveys and apply epidemiological principles for the assessment of health & morbidity as a community physician	PO2,PO5
CO7	Understand and apply the principles of environmental health and its effects on public health with control measures	PO3,PO4
CO8	Demonstrate skills and research aptitude for the promotion of health and prevention of diseases	PO9







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**Samhita, Siddhant and Sanskrit**

**Course Outcomes: UG**

1. Recall and translate the Sanskrit verses from classical Ayurvedic texts
2. Describe the contributions of ancient-recent authors of Ayurveda
3. Apply the knowledge of Darshan Shastras, Pramanas & Shat- Padartha
4. Explain and infer the fundamental principles of Ayurveda
5. Choose and apply Ayurveda treatment and procedures based on the basic principles.

**Course Outcomes: PG**

1. Describe and relate the concepts and basic principles of Ayurveda.
2. Correlate the contributions of ancient and new authors and commentators to utilize the knowledge in practice.
3. Infer classical literature for proper diagnosis and planning treatments for complex and chronic diseases.
4. Analyze and implement the basic principles of Ayurveda in treatment.
5. Undertake research in the field of Ayurvedic literature and clinical research.



  
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**Rachana Sharir**

**Course Outcomes: UG**

1. Recognise and state the normal structures of human body through dissection.
2. Identify histological and micro-anatomical structures.
3. Explain GarbhaSharira with respect to the pre and post-natal developmental changes.
4. Mark surface anatomy for surgical procedures and radiological purposes in diagnosis of disease.
5. Apply the knowledge of PramanaSharira and MarmaSharira into their clinical practice of Ayurveda.

**Course Outcomes: PG**

1. Identify every anatomical detail of the body and distinguish between normal and abnormal.
2. Demonstrate various organs, their histological and micro-anatomical features and applied aspects.
3. Correlate Shatachakra and central nervous system and explain its applied anatomy.
4. Explore the knowledge of Garbha Sharir and compare it with the principles of modern science.
5. Apply knowledge of Rachana Sharir in context of mamsa, sira, snayu, asthi, and sandhi in clinical practice.



  
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## Kriya Sharir


### Course Outcomes: UG

1. Explain physiological aspects of various systems.
2. Describe biochemical test results with respect to physiological aspects of the system of interest.
3. Collect, process, analyze and evaluate biological tests.
4. Perform Ayurvedic Parikshana for Prakriti, Sara, Agni and Koshta and implement in improving life style and health.
5. Apply fundamental principles of Dosha, Dhātu and Mala in clinical practice.

### Course Outcomes: PG

1. Explain pathophysiological aspects of various koshtangaand gain knowledge of their vikriti and chikitsa.
2. Achieve equilibrium of tridosha and shadritu through the concept of prakriti with respect to the change in environment.
3. Set parameters to evaluate manasprakriti in stress management programs.
4. Assess dosha, dhātu and mala quantitatively based on vimshatiguna with the help of modern equipments and techniques.
5. Infer and compare quantitative data to clinical findings and set physiological equilibrium.



  
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**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.



  
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### **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: PG**

1. Gain critical knowledge of the concepts and basic processes of Rasashastra and Bhaishajyakalpana.
2. Prepare and modify various dosage forms and formulations.
3. Apply concepts of raschikitsa in clinical practice and detect adverse drug reactions.
4. Gain expertise in Ayurvedic drug manufacturing and manage commercial Pharmacy.
5. Perform researches on classical and novel formulations.



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## Dravyaguna

### Course Outcomes: UG

- 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 Statesources of crude drugs, collection methods, processing and storage of medicinal plants.



  
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### **Rognidan and Vikriti Vigyan**


#### **Course Outcomes: UG**

1. Define and describe the basic principles and terminologies of Rognidan, Nidan Panchak (pathogenesis), Rugna Pareekshan (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 from microscopic examination of tissue sections.
5. Apply appropriate diagnostic procedures in pathological investigations.

#### **Course Outcomes: PG**

1. Define applied aspects of vyadhikshamatva in the context of immunity.
2. Revise concepts of nidanpanchak and vyadhighatakatva.
3. Discuss and interpret nidanpanchak, upadrava, arishtalakshanas, sadhysadhyatva and samanyachikitsa sutra.
4. Utilize various laboratory techniques for diagnosis of diseases and implement clinical methods and techniques.
5. Set well equipped laboratories for proper diagnosis and clinical practices.



  
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**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.



  
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**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.



  
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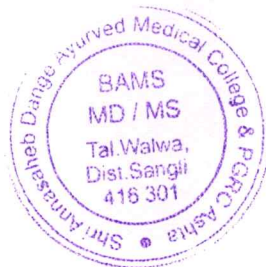
### **Kaumarbhritya**

#### **Course Outcomes: UG**

1. Describe principles of Kaumarbhritya 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 Suvana Bindu Prashan.



  
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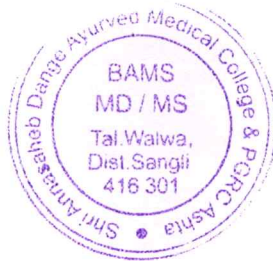
### Kayachikitsa

#### Course Outcomes: UG

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.



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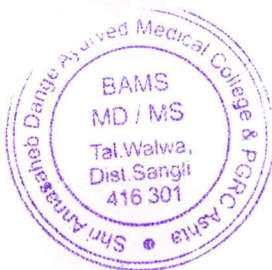
### **Panchakarma**

#### **Course Outcomes: UG**

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 Panchkarmaprocedure, 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 conceptsof 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.



  
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### **Shalya Tantra**

#### **Course Outcomes: UG**

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 Ksharsutrain 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.



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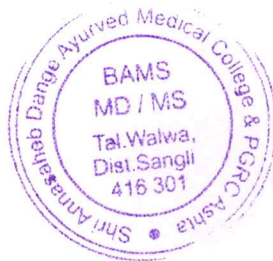
### Shalakya Tantra

#### Course Outcomes: UG

- 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 usekriyakalpas 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 chronicUrdhvjatrugatVyadhis.
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 kriyakalpas 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.



  
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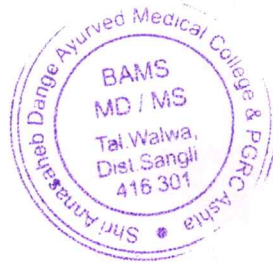
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**Research Methodology and Medical Statistics:**

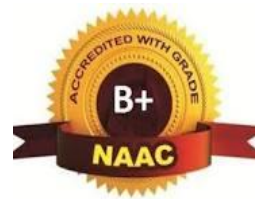
1. Describe and apply research methodologies, tools and levels of research.
2. Have scientific and inductive thinking and apply it in the promotion of Ayurveda.
3. Use modern instruments and tools of data management for developing an evidence base.
4. Infer statistical data of various researches to know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



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## 2.6- Students Performance and Learning Outcomes

### 2.6.1- Index – Weblinks-Course Outcomes

Sr. No .	Progr a mme	Cours e Code	Course	Reference Source
1	AY-UG (2021)	Ay UG -SA1	SAMHITA ADHYAYAN-1	<a href="https://ncismindia.org/Ay%20UG-SA1-1.pdf">https://ncismindia.org/Ay%20UG-SA1-1.pdf</a>
2		AyUG -KS	KRIYA SHARIRA	<a href="https://ncismindia.org/AyUG-KS-1.pdf">https://ncismindia.org/AyUG-KS-1.pdf</a>
3		AyUG -RS	RACHANA SHARIRA	<a href="https://ncismindia.org/AyUG%20RS-1.pdf">https://ncismindia.org/AyUG%20RS-1.pdf</a>
4		AyUG -PV	PADARTHA VIJANANAM	<a href="https://ncismindia.org/AyUG-PV-1.pdf">https://ncismindia.org/AyUG-PV-1.pdf</a>
5		AyUGS N&AI	SAMSKRITAM EVAM AYURVED ITI HAS	<a href="https://ncismindia.org/AyUG-SN%20AI-1.pdf">https://ncismindia.org/AyUG-SN%20AI-1.pdf</a>
6		AyUG-SA2	SAMHITA ADHYAYAN-2	<a href="https://ncismindia.org/NCISM_II%20BAMS_AyUG-SA2.pdf">https://ncismindia.org/NCISM_II%20BAMS_AyUG-SA2.pdf</a>
7		AyUG-AT	AGAD TANTRA EVAM VIDHI VAIDYAKA	<a href="https://ncismindia.org/NCISM_II%20BAMS_AyUG-AT%20(2).pdf">https://ncismindia.org/NCISM_II%20BAMS_AyUG-AT%20(2).pdf</a>
8		AyUG-DG	DRAVYAGUNA VIGYAN	<a href="https://ncismindia.org/NCISM_II%20BAMS_AyUG-DG%20(1).pdf">https://ncismindia.org/NCISM_II%20BAMS_AyUG-DG%20(1).pdf</a>
9		AyUG-RB	RASASHASTRA EVAM BHAISHAJYAKALPANA	<a href="https://ncismindia.org/NCISM_II%20BAMS_AyUG-RB.pdf">https://ncismindia.org/NCISM_II%20BAMS_AyUG-RB.pdf</a>
10		AyUG-RN	ROGA NIDAN EVAM VIKRITI VIGYAN	<a href="https://ncismindia.org/NCISM_II%20BAMS_AyUG-RN.pdf">https://ncismindia.org/NCISM_II%20BAMS_AyUG-RN.pdf</a>
11		AyUG-SW	SWASTHAVRITTA EVAM YOGA	<a href="https://ncismindia.org/NCISM_II%20BAMS_AyUG-SW.pdf">https://ncismindia.org/NCISM_II%20BAMS_AyUG-SW.pdf</a>



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