



**YASHWANT AYURVEDIC COLLEGE**  
**POST GRADUATE TRAINING & RESEARCH CENTRE, KODOLI**

MD/ MS Ayurveda

**Semester I Course - Research Methodology & Biostatistics**  
 (Academic Year 2025-26)

**Dept of Integrative Health & Translational Research**

**Unitized Syllabus for the month of Dec-2025**

<b>Research Methodology; Module 1: Research Basics</b>							
<b>Module Learning Objectives (At the end of the module, the students should be able to):</b>							
1. Describe the importance of evidence-based medicine, its levels, and the research process							
2. Conduct literature review and critical appraisals of articles							
3. Identify a research problem							
4. Frame research question, hypotheses and objectives							
<b>Date</b>	<b>Day</b>	<b>Time</b>	<b>Topic</b>	<b>Course Outcome</b>	<b>Lecture/ Practical Training/ Experiential Learning</b>	<b>Teaching faculty</b>	
17-12-25	Wednesday	8 – 10 am	<b>Departmental Postings</b>				Respective dept HOD
		10–11 am	Describe research process and importance of evidence-based medicine	CO1, CO2, CO3	Lecture	Kayachikitsa Dr.S.P.Wagh	
		11-1 pm	Elaborate the current status of Ayurveda medicine research	CO1, CO2, CO3	Practical training 1.1	Kayachikitsa	
		1-2 pm	Lunch Break				
		2-4 pm	Identify the level of evidence in Ayurveda research	CO1, CO2, CO3	Experimental learning 1.1	Kayachikitsa	
		4-5pm	Appreciate research concept in Ayurveda medicine system	CO1, CO2, CO3	Lecture	Kayachikitsa Dr.V.R.Borakhade	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
18-12-25	Thursday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD
		10am–12pm	Demonstrate different research concept in Ayurveda medicine system with example	CO1, CO2, CO3	Practical training 1.2	Roga-nidan
		12pm to 1pm	Describe the systematic approach of literature search using biomedical data base search engine and software	CO1, CO2, CO3	Lecture	Samhita Dr A.M.Sutar
		1-2 pm	Lunch Break			
		2-4pm	List out the challenges and probable solution in Ayurveda medicine research	CO1, CO2, CO3	Experimental learning 1.2	Roga-Nidan
		4-pm-5pm	Describe the method of identifying the research problem	CO1, CO2, CO3	Lecture	Research department Dr.K.K.Jadhav



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
19-12-25	Friday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD
		10am–12pm	Demonstrate the literature search in medical databases	CO1, CO2, CO3	Practical training 1.3	SRPT
		12pm-1 pm	Define and explain characteristics of good research question, hypothesis -type and formulation ,framing objective	CO1, CO2, CO3	Lecture	Research department Dr.K.K.Jadhav
		1-2 pm	Lunch Break			
		2-5 pm	Conduct a literature search for a given scenario	CO1, CO2, CO3	Experimental learning 1.3	Samhita



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
24-12-25	Wednesday	8am to 10am	<b>Departmental Postings</b>			Respective dept HoD	
		10am to 12pm	Enlist different ways of identifying the research problem	CO1, CO2, CO3	Practical training 1.4	Research department	
		12pm to 1pm	Departmental posting				
		1pm to 2pm	Lunch				
		2pm to 5pm	Identify the research problem	CO1, CO2, CO3	Experimental learning 1.4	Research department	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
26-12-25	Friday	8am to 10am	<b>Departmental Postings</b>			Respective dept HoD
		10am to 12pm	Demonstrate the qualities of good research question (PICO/T and FINER approach),  Demonstrate the importance of framing appropriate hypothesis and pertinent objectives	CO1, CO2, CO3	Practical training 1.5	Research department
		12pm to 1pm	Departmental posting			
		1pm to 2pm	Lunch			
		2pm to 5pm	Frame research questions, Hypothesis, and study objective	CO1, CO2, CO3	Experimental learning 1.5	Research department
<b>Module 1</b>			<b>Numbers</b>	<b>Hours</b>		
Lecture			5	5		
Practical training			5	10		
Experimental learning			5	13		
Modular Assessment (31-12-25)			1	2		
<b>Total</b>			<b>16</b>	<b>30</b>		

Hypothesis, and study objective

Modular Assesment



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
31-12-25	Wednesday	8 – 10 am	Departmental Postings			Respective dept HoD
		10am to 12pm	Modular Assessment			
		12pm to 1pm	Describe the history, need ,role and fundamental principle f ethics in research related to human and animal	CO5	Lecture	SRPT Dr.K.Vishal <sup>9</sup>
		1pm to 2pm	Lunch			
		2pm to 3pm	Explain the history and content of ICMR ,ICH-GCP, and GCP -Ayurveda medicine guideline	CO5	Lecture	SRPT Dr.K.Vishal <sup>9</sup>
		3pm to 4pm	Comprehend the contents of ICMR , ICH-GCP, and GCP - Ayurveda medicine guideline including the process of clinical trial registration	CO5	Practical training 2.1	SRPT
		4pm to 5pm	Enlist cases where the principles of autonomy and justice is upheld	CO5	Practical training 2.2	SRPT

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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
1-1-26	Thursday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD	
		10am to 11am	Enlist cases where the principles of beneficence /non maleficence are upheld and compromise	CO5	Practical training 2.3	SRPT	
		11am to 12pm	Demonstrate the ethical principle by developing a case scenario	CO5	Experimental learning 2.1	SRPT	
		12pm to 1pm	Identify the ethical principle in a given case scenario	CO5	Experimental learning 2.2	SRPT	
		1pm to 2pm	Lunch break				
		2pm to 3pm	Explain the constitution, composition ,review process registration ,and regulation of the institutional human and animal ethics committee	CO5	Lecture	SRPT Dr.K.Vishak	1hr.
		3pm to 4pm	Explain the history ,objective ,hierarchy, and ADR reporting method of the pharmacovigilanceprograame for Ayurveda medicine and H drugs	CO5	Lecture	Dravya Guna Dr.L.B.Pati	1hr
		4pm to	Outline the impotance and various form of IPR (copyrightt	CO5	Lecture	Dravya 1hr	



		5pm	,trademark,industrial design ,geographical design, patterns )			Guna Dr.L.B.Pati I
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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
2-1-26	Friday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD	
		10am to 12pm	Construct the composition of the ethics committee through different case scenario	CO5	Practical training 2.4	SRPT	
		12pm to 1pm	Departmental Posting				
		1pm to 2pm	Lunch Break				
		2pm to 5pm	Enlist the elements of the review process through different case scenario	CO5	Practical training 2.5	SRPT	

Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
7-1-26	Wednesday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD
		10am to 12pm	Identify the ethical issue specific to Ayurveda medicine research through different case scenarios	CO5	Practical training 2.6	SRPT
		12 pm to 1pm	Departmental Posting			
		1pm to 2pm	Lunch Break			
		2 pm to 5pm	Demonstrate the review process of IHEC	CO5	Experimental learning 2.3	SRPT



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
8-1-26	Thursday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD
10am to 1pm		Demonstrate the review process of IHEC	CO5	Experimental learning 2.3	SRPT	
1pm to 2pm		Lunch Break				
2pm to 5pm		Demonstrate the review process of IAEC	CO5	Experimental learning 2.4	SRPT	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
9-1-26	Friday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD
		10am to 12am	Demonstrate the review process of IAEC	CO5	Experimental learning 2.4	SRPT
		12pm to 1pm	Departmental Posting			
		1pm to 2 pm	Lunch Break			
		2pm to 4pm	<b>Modular Assessment</b>			
		4pm to 5pm	Departmental Posting			

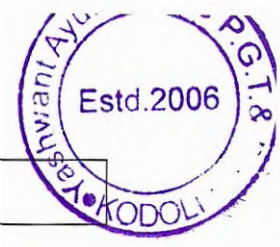
Module 2	Numbers	Hours
Lecture	5	5
Practical training	6	10
Experimental learning	4	13
Modular Assessment (9-1-26)	1	2
<b>Total</b>	<b>30</b>	<b>30</b>



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
14-1-26	Wednesday	8 – 10 am	<b>Departmental Postings</b>			Respective Dept HoD
		10am to 11am	Distinguish different types of research	CO4	Lecture	Research Department Dr.V.R. Borakhade
		11am to 1pm	Display different types of research with example	CO4	Practical training 3.1	Research Department
		1pm to 2pm	Lunch break			
		2pm to 5pm	Describe qualitative research-Definition ,characteristics, relevance ,types ,method of data collection ,and ways to maintain robustness like credibility , transferability,dependability , and confirmability	CO4	Lecture	Shareera Kriya Dr.U.K Bande

1 hr.

3 hr.



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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
15-1-26	Thursday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD	
		10 am to 1pm	Identify the methods used in qualitative research	CO4	Practical training 3.2	Shareera Kriya	
		1pm to 2pm	Lunch break				
		2pm to 3pm	Identify the methods used in qualitative research	CO4	Practical training 3.2	Shareera Kriya	
		3pm to 5pm	<b>Departmental Postings</b>				



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
16-1-26	Friday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD	
		10am to 1pm	Moderate /participate in focused group discussion and interviews to illustrate the methods of qualitative research	CO4	Experimental learning 3.1	Shareera Kriya	
		1pm to 2pm	Lunch break				
		2pm to 5 pm	Moderate /participate in focused group discussion and interviews to illustrate the methods of qualitative research	CO4	Experimental learning 3.1	Shareera Kriya	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
21-1-26	Wednesday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD
		10am to 1pm	Explain and distinguish various type of descriptive studies (case report ,case series ,cross sectional, longitudinal )	CO4	Lecture	Panchkaram Dr.R. B. Patil
		1pm to 2pm	Lunch break			
		2pm to 4pm	Differentiate the descriptive studies in published literature -Case reports	CO4	Practical training 3.3	Panchkaram Dr.R. B. Patil
		4pm to 5pm	<b>Departmental Postings</b>			

3 hr.



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
22-1-26	Thursday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD	
		10am to 12pm	Differentiate the descriptive studies in published literature -Case series	CO4	Practical Training 3.4	Panchkaram	
		12 pm to 1pm	<b>Departmental Postings</b>				
		1pm to 2pm	Lunch break				
		2pm to 4pm	Differentiate the descriptive studies in published literature – Cross sectional	CO4	Practical Training 3.5	Panchkaram	
		4pm to 5pm	<b>Departmental Postings</b>				



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
30-1-26	Friday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HoD
		10am to 12pm	Differentiate the case control studies in published literature	CO4	Practical Training 3.8	Panchakarma
		12pm to 1 pm	<b>Departmental Postings</b>			
		1pm to 2pm	Lunch break			
		2pm to 4pm	Differentiate the cohort studies in published literature	CO4	Practical Training 3.9	Panchakarma
		4pm to 5pm	<b>Departmental Postings</b>			

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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
04-2-26	Wednesday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Acquired the knowledge of conducting various observational studies	CO4	Experiential Learning 3.3	Panchakarma	
		1pm to 2pm	Lunch break				
		2pm to 5pm	Acquired the knowledge of conducting various observational studies	CO4	Experiential Learning 3.3	Panchakarma	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
05-2-26	Thursday	8 – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Acquired the knowledge of conducting various observational studies	CO4	Experiential Learning 3.3	Panchakarma	
		1pm to 2pm	Lunch break				
		2pm to 3pm	Acquired the knowledge of conducting various observational studies	CO4	Experiential Learning 3.3	Panchakarma	
		3pm-5pm	<b>Modular Assessment</b>				



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
06-2-26	Friday	8am – 11am	<b>Departmental Postings</b>			Respective dept HOD
		11am to 01pm	<b>Modular Assessment</b>			Research Dept.
		1pm to 2pm	Lunch break			
		2-3pm	Explain bias at various stages of clinical trial and describe the way to eliminate bias such as randomization, blinding, and control	CO1, CO4	Lecture	Swasthavritta Dr.M.M.Godbole
		3pm-5pm	<b>Departmental Posting</b>			
Module 3			Number		Hours	
Lecture			04		10	
Practical training			09		20	
Experiential learning			03		26	
MODULAR Assessment (06/02-26)			01		04	
Total			17		60	

1 hr.



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
11-2-26	Wednesday	8am to 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Explain various types (pilot/proof of concept/exploratory/randomized/blinded/controlled, superiority/no inferiority/equivalence, phases of clinical trial) and methodological details (defining eligibility and withdrawal criteria, outcome assessment and variables, safety monitoring) of interventional studies	CO1, CO4	Lecture	Shalya Dr.T Srinivas	
		1pm to 2pm	Lunch break				
		2pm-5pm	Appraise the interventional study design in published literature	CO4	Practical Training4.1	Panchakarma	

3 hr.



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
12-2-26	Thursday	8am -- 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Appraise the interventional study design in published literature	CO4	Practical Training4.1	Panchakarma	
		1pm to 2pm	Lunch break				
		2pm-5pm	Appraise the interventional study design in published literature	CO4	Practical Training4.1	Panchakarma	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
13-2-26	Friday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11am	Appraise the interventional study design in published literature	CO4	Practical Training4.1	Panchakarma	
		11am to 1pm	Acquire the knowledge of conducting various interventional studies	CO4	Experiential Learning4.1	Panchakarma	
		1pm to 2pm	Lunch break				
		2pm to 4pm	Acquire the knowledge of conducting various interventional studies	CO4	Experiential Learning4.1	Panchakarma	
		4pm to 5pm	<b>Departmental Postings</b>				



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
19-2-26	Thursday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Acquire the knowledge of conducting various interventional studies	CO4	Experiential Learning 4.3	Roga Nidan	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 3pm	Non-conventional study design (black box design, n-1 design, whole system research, flexible dose design)	CO4	Lecture	Samhit Dr.A.M.Sutar	
		3pm to 5pm	Modular Assessment				

1 hr.

Module 4	Number	Hours
Lecture	3	5
Practical training	1	10
Experiential learning	3	13
Modular Assessment	1	2
<b>Total</b>	<b>8</b>	<b>30</b>



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
25-2-26	wendesday	8am – 11am	<b>Departmental Postings</b>			Respective dept HOD	
		11am to 1pm	Demonstrate in-silico studies	CO4, CO9	Practical Training5.3	SRPT	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 5pm	Acquaint with instrumentation and procedure related to the in-silico,in-vitro,and in-vivo studies	CO4, CO9	Experiential Learning5.1	SRPT	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
26- 2-26	Thursday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Acquaint with instrumentation and procedure related to the in-silico, in-vitro, and in-vivo studies	CO4, CO9	Experiential Learning5.1	SRPT	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 3pm	Describe protocols for drug quality testing	CO4, CO9	Lecture	Research Dr.K.K.Jadhav	
		3pm to 4pm	Explain and demonstrate different instrumentation used in drug research	CO4, CO9	Lecture	Rescarch Dr.K.K.Jadhav	
		4pm to 5pm	<b>Departmental Postings</b>				

1 hr

1 hr.

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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
5-3-26	Thursday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Acquaint with pharmacy college /QC unit in Ayurveda medicine pharmacy	CO4, CO9	Experiential Learning5.2	Rasa Shastra	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 3 pm	Acquaint with pharmacy college /QC unit in Ayurveda medicine pharmacy	CO4, CO9	Experiential Learning5.2	Rasa Shastra	
		3pm to 5pm	<b>Departmental Postings</b>				



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
06-3-26	Friday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11pm	Define and describe the scope of literary research and the step of manuscript -ology	CO4, CO9	Lecture	Samhita Dr.A.M.Sutar	
		11am to 1pm	Explore available manuscript resources	CO4, CO9	Practical Training5.6	Samhita	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 5pm	Explore available manuscript resources	CO4, CO9	Practical Training5.6	Samhita	

1 hr.

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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
11-3-26	Wednesday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD
		10am to 1pm	Acquaint with manuscript library/oriental study institution /university Sanskrit department /IKS center in IIT'S or video on steps of manuscriptology	CO4, CO9	Experiential Learning5.3	Samhita
		1pm to 2pm	<b>Lunch Break</b>			
		2pm to 4pm	Acquaint with manuscript library/oriental study institution /university Sanskrit department /IKS center in IIT'S or video on steps of manuscriptology	CO4, CO9	Experiential Learning5.3	Samhita
		4pm to 5pm	Explain the importance and types of tools	CO4, CO9	Lecture	SRPT Dr.K.C.Mule

1 hr.  
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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
12-3-26	Thursday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11pm	Describe stages of tool development and method for validating developed tools	CO4, CO9	Lecture	SRPT Dr.K.C.Mule	
		11am to 12pm	Identify appropriate assessment tool	CO4, CO9	Lecture	RogaNidan Dr.A.S.Patil	
		12pm to 1pm	Demonstrate standard terminologies (example WHO, ICD11, DSN V, NAMASTE)	CO4, CO9	Lecture	RogaNidan Dr.A.S.Patil	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 5pm	Demonstrate the process of tool development and validation	CO4, CO9	Practical Training5.7	RogaNidan	

1hr  
19/3

1hr

1hr



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
13-3-26	Friday	8am – 10am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Develop a questionnaire	CO4, CO9	Experiential Learning5.4	RogaNidan	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 4pm	Develop a questionnaire	CO4, CO9	Experiential Learning5.4	RogaNidan	
		4pm to 5pm	<b>Departmental Postings</b>				



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
27- 3-26	Friday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 12pm	Explain the basic structure of the synopsis (Randomization table, dummy table, GANTT chart, expected outcome, Budget)	CO4, CO5, CO6, CO7, CO8	Lecture	Research Department  Dr.K.K.Jadhav	
		12pm to 1pm	Explain a checklist of synopsis /protocol and differentiate between academic protocol and funding protocol	CO4, CO5, CO6, CO7, CO8	Lecture	Research Department  Dr.K.K.Jadhav	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 5 pm	Demonstrate the key points and processes of synopsis /protocol writing.	CO4, CO5, CO6, CO7, CO8	Practical Training6.1		Research Department

2hr

1hr

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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
01-4-26	wednesday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		11am to 1pm	Demonstrate the key points and processes of synopsis /protocol writing.	CO4, CO5, CO6, CO7, CO8	Practical Training6.1	Research Department	
		1pm to 2pm	<b>Lunch Break</b>				
		2 to 5pm	Prepare an outline of the synopsis	CO4, CO5, CO6, CO7, CO8	Experiential Learning 6.1	Research Department	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
2-4-26	Thursday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Retrieve information about different funding agencies and their schemes especially applicable to students	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.2	Research Department	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 3pm	Explain the structure of the dissertation for different study designs (IMRAD); Orientation to online theses repositories such as shodhganga	CO4, CO5, CO6, CO7, CO8	Lecture	Research Department Dr.Borakhade	
		3pm to 5pm	Appreciate the structure of the dissertation with a focus on specific requirements as per the type and design of the research	CO4, CO5, CO6, CO7, CO8	Practical Training6.2	Research Department	

1 hr.



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
8-4-25	Wednesday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11am	Appreciate the structure of the dissertation with a focus on specific requirements as per the type and design of the research	CO4, CO5, CO6, CO7, CO8	Practical Training6.2	Research Department	
		11am to 1pm	Critically appraise the result and discussion section of the thesis	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.3	Research Department	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 5pm	Critically appraise the result and discussion section of the thesis	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.3	Research Department	



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
9-4-26	Thursday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11am	Explain the structure of the different types of journal articles	CO4, CO5, CO6, CO7, CO8	Lecture	Research Dr.K.K.Jadhav	
		11am to 1pm	Demonstrate the structure of different types of articles	CO4, CO5, CO6, CO7, CO8	Practical Training 6.3	Research	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 5pm	Present an article in the journal club	CO4, CO5, CO6, CO7, CO8	Experiential Learning 6.4	Research	

1hr.



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
10-4-26	Friday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11am	Present an article in the journal club	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.4	Research	
		11am to 12pm	Elaborate the process of systematic review and meta-analysis	CO4, CO5, CO6, CO7, CO8	Lecture	Samhita Dr.H.S.Sable	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 3pm	Explain publication guidelines such as STROBE, PRISMA, ARRIVE, CARE, CONSORT, Etc. and their variation	CO4, CO5, CO6, CO7, CO8	Lecture	Samhita Dr.H.S.Sable	
		3pm to 5pm	Access different reporting guidelines	CO4, CO5, CO6, CO7, CO8	Practical Training6.4	Samhita	

1 hr.

1 hr.



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
15-4-26	Wednesday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 1pm	Review a published article by using a checklist of particular reporting guidelines	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.5	Samhita	
		1pm to 2pm	<b>Lunch Break</b>				
		2pm to 3pm	Explain the need for referencing and bibliography. Enlist the different citation styles and references manager	CO4, CO5, CO6, CO7, CO8	Lecture	Research Dept Dr.Borkhade	
		3pm to 5pm	Demonstrate using any one reference manager tool.	CO4, CO5, CO6, CO7, CO8	Practical Training6.5	Samhita	

1hr.



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
16-4-26	Thursday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD
		10am to 12pm	Demonstrate using any one reference manager tool.	CO4, CO5, CO6, CO7, CO8	Practical Training6.5	Research
		12pm to 1pm	<b>Departmental Postings</b>			
		1pm to 2pm	<b>Lunch Break</b>			
		2pm to 5pm	Appreciate referencing styles for different types of documents like journals articles, books, book chapter , conference proceedings dissertation ,online content and Ayurveda medicine texts	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.6	Research



Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
17-4-26	Friday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11am	Explain journal impact factors (indexing database, cite score, impact factor, Altimetric) and authors impact metrics (h index, I 10 indices, G index)	CO4, CO5, CO6, CO7, CO8	Lecture	Shalya Tantra Dr.T Shsrinivs	
		11am 1pm	Select appropriate journal and identify its quality using scientometrics	CO4, CO5, CO6, CO7, CO8	Practical Training6.6	Shalya Tantra	
		1pm to2pm	<b>Lunch Break</b>				
		2pm to5pm	Acquire knowledge about various aspect of scientometry	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.7		

1 hr.



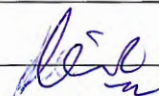
Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty	
22-4-26	Wednesday	8am – 10 am	<b>Departmental Postings</b>			Respective dept HOD	
		10am to 11am	Explain ethical issues in publication (Authorship criteria, plagiarism, falsification and fabrication data)	CO4, CO5, CO6, CO7, CO8	Lecture	Research Dr.K.K.Jadhav	
		11am 1pm	Review guidelines related to publication ethics (WAME, COPE, ICMJE, OSPA)	CO4, CO5, CO6, CO7, CO8	Practical Training6.7	Research	
		1pm to2pm					
		2pm to4pm	Check plagiarism using online software	CO4, CO5, CO6, CO7, CO8	Experiential Learning6.8	Research	
		4pm to 5pm	<b>Departmental Postings</b>				

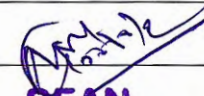
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Date	Day	Time	Topic	Course Outcome	Lecture/ Practical Training/ Experiential Learning	Teaching faculty
23-4-26	Thursday	8am – 10 am	Departmental Postings			Respective dept HOD
		10am to 12pm	Modular Assessment			
		12pm to 1pm	Departmental Postings			
		1pm to 2pm	Lunch Break			
		2pm to 4pm	Modular Assessment			
		4pm to 5pm	Departmental Postings			

Module 6	Number	Hours
Lecture	9	10
Practical training	7	20
Experiential Learning	8	26
Modular Assessment (23-4-25)	2	04
Total	26	60

  
**DIRECTOR**  
 Yashwant Ayurvedic College  
 Post Graduate Training &  
 Research Center, Kodoli

  
**DEAN**  
 Yashwant Ayurvedic College  
 Post Graduate Training &  
 Research Center, Kodoli

