

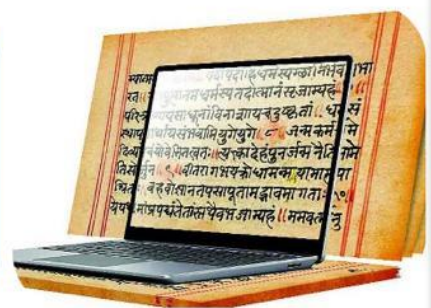
Government of Maharashtra



Government College of Arts & Science, Aurangabad



लेखन कौशल्य



SHORT TERM COURSES

VALUE ADDED|ADD-ON|CERTIFICATE COURSES

2020-21

List of the Short Term Courses

SN	Title of the Short Term Course	Department	Course Coordinator
01	Value Added Course in Bhajan	Music	Dr. V.S. Deshmukh
02	Value Added Course in Bhavgeet	Music	Dr. V.S. Deshmukh
03	Value Added Course in Natyasangeet	Music	Dr. V.S. Deshmukh
04	Certificate Course in <i>Navratri</i> Special "Chaniya Choli" Design for Kids Wear	Home Science	Mrs. Maya Vanjare SME: Smt. Tejashri Palsingankar
05	Value added Course in Warli Art (Regional Traditional Art)	Home Science	Mrs. Maya Vanjare SME: Archana Choudhari
06	Value added Course in Tie and Dye	Home Science	Mrs. Maya Vanjare SME: Miss. Sheela Janjal
07	Yoga For Mental and Physical Health	Physical Education	Dr. A.I. Khan SME: Mr. Sunil Gaysamudre Mr. Sunil Sable
08	Certificate course in Business Communication	English	Dr. Shaista Talat Khan
09	Add on course - Must Know Basic Concepts in Chemistry.	Chemistry and Polymer Chemistry	Mr. Ajaykumar Gandhi
10	Online Certificate Course in Numerical Methods Using Python	Mathematics	Dr. Sanjay Anant Moraye
11	Value Added Course in संस्कृतसम्भाषणकौशलम्	Sanskrit	Dr. Pankaja Waghmare

**DEPARTMENT
OF
MUSIC**



Value Added Course in *Bhajan*

Course Coordinator	Dr. V.S. Deshmukh
Curriculum	<ul style="list-style-type: none">• संगीत विषयाची माहिती• भजन या गीत प्रकारचा इतिहास• भजन गाताना शब्दोच्चार, स्वररचन कशी असावी.• भजन या गीतप्रकारासाठी संतांचे योगदान• विद्यार्थ्यांना याची शास्त्रीय माहिती देण्यात येईल.
Course Outcome	भजन या गीत प्रकाराविषयी विद्यार्थ्यांना माहिती व्हावी आणि संगीत विषयाची आवड विद्यार्थ्यांमध्ये निर्माण करणे हा या अभ्यासक्रमाचा उद्देश आहे.
Duration	३० तास (२ - ३ तास १५ दिवस शास्त्रीय माहिती आणि प्रात्यक्षिक दोन्ही)
Evaluation and Certification	Performance Based Evaluation and Grading (100 Marks)



Value Added Course in *Bhavgeet*

Course Coordinator	Dr. V.S. Deshmukh
Curriculum	<ul style="list-style-type: none">● भावगीताचा उगम● भावगीताचा इतिहास आणि विकास● संगीतामध्ये भावगीताचे स्थान व योगदान● भावगीत गाताना शब्दोच्चार, स्वररचना आणि भावांचे प्रकटीकरण कसे करावे.● भावगीत या गीतप्रकारामध्ये विविध गायकांचे योगदान
Course Outcome	विद्यार्थ्यांना मराठी भावगीत या गायनप्रकाराची ओळख करून देणे व व्यावसायिक दृष्टीने भावगीत या गीतप्रकाराचा उपयोग कसा करता येईल याची ओळख करून देणे.
Duration	३० तास (२ - ३ तास १५ दिवस शास्त्रीय माहिती आणि प्रात्यक्षिक दोन्ही)
Evaluation and Certification	Performance Based Evaluation and Grading (100 Marks)



Value Added Course in *Natyageet*

Course Coordinator	Dr. V.S. Deshmukh
Curriculum	<ul style="list-style-type: none">• नाट्यगीत विषयाची माहिती• नाट्यगीत या गीत प्रकाराचा इतिहास• नाट्यगीत गाताना शब्दोच्चार, स्वररचना आणि भावप्रकटीकरण कसे असावे.• नाट्यगीत गाताना तानांची रचना कशी असावी.• नाट्यगीत या गीतप्रकारासाठी विविध गायकांचे योगदान
Course Outcome	विद्यार्थ्यांना मराठी नाट्यसंगीत या उपशास्त्रीय गायनप्रकाराची ओळख करून देणे व त्यांच्यामध्ये नाट्यसंगीत ऐकण्याची व गाण्याची आवड निर्माण करणे.
Duration	३० तास (२ - ३ तास १५ दिवस शास्त्रीय माहिती आणि प्रात्यक्षिक दोन्ही)
Evaluation and Certification	Performance Based Evaluation and Grading (100 Marks)

**DEPARTMENT
OF
HOME SCIENCE**



Certificate Course in Navratri Special “Chaniya Choli” Design for Kids Wear

Course Coordinator	Mrs. Maya Vanjare SME: Smt. Tejashri Palsingankar
Curriculum	<ul style="list-style-type: none">• Introduction Of Chaniya Choli• History Of Chaniya Choli• Introduction Of Swing Machine & Practice• Common Machine Problems• Swing Aids• Needle & Thread• Basis Hand Stiches• Basic Seams• Different Types Of Fabrics• Trims• How To Take Measurements• Kid’s Size Chart• Drafting• Paper Cutting• Layouts• Cloth Cutting & Stitching• Measurement Checking• Preparation Of Cost Sheet• Display Of Garment
Course Outcome	Students shall learn <ul style="list-style-type: none">• Basic Infrastructure. Amenities, and Material required for Garment Industry.• Basics of Tailoring.• Types of Fabrics• Measurement for drafting, layout with paper and cloth• Cost estimation.• Advertisement.• Scope as entrepreneur.
Duration	35 Hrs (15 days tentatively including theory practical)
Evaluation and Certification	Performance Based Evaluation and Grading (100 Marks)



Value added Course in Tie and Dye

Course Coordinator	Mrs. Maya Vanjare SME: Miss. Sheela Janjal
Curriculum	<ul style="list-style-type: none">• Introduction• History and Use.• Introduction to Tie And Dye Technique.• Methods of Tying / Techniques :<ul style="list-style-type: none">• Pleated technique• Knotting technique• Spot technique• Dip technique• Line tie technique• Yarn tie and dye process• Tuft tie technique• Marbling techniques• Circle technique• Twist technique• Point resist technique• Tritik technique• Warp tie and dye techniqu• Spider web technique• Methods of Dyeing: In single, Double and Multiple colors.• Techniques to make samples more attractive.• Display of samples made by participants.• Visit to dyeing and printing units in Aurangabad.
Course Outcome	<ul style="list-style-type: none">• To make the participants acquainted with tie and dye and its historical background.• To make the participants acquainted with dyes and other materials required for tie and dye.• To make the participants acquainted to create the techniques of tie and dye.• To make participants acquainted with market trends in fabric printing.
Duration	Duration of the course will be 30 Hrs (2-3 Hrs/Day). (Tentatively 15 Days including theory, practical and one visit.)
Evaluation and Certification	Performance Based Evaluation and Grading (100 Marks)



Warli Painting (Regional Traditional Art)

Course Coordinator	Mrs. Maya Vanjare SME: Archana Choudhari
Curriculum	Introduction <ul style="list-style-type: none">● History & use -● Introduction of Warli technique-● Methods & Techniques of Warli :<ul style="list-style-type: none">● chauk" or "chaukat",● Devchauk● Lagnachauk.● Devchauk Palaghata, Techniques to make samples more attractive. <ul style="list-style-type: none">● Display of Samples made by participants.
Course Outcome	<ul style="list-style-type: none">● To make the Participants acquainted with Warli painting and its historical background.● To make the Participants acquainted with Warli painting others materials required for painting.● To make the Participants acquainted to create the techniques of <i>warli</i> panting.
Duration	Duration of the course will be 30 Hrs. (2-3 Hrs./ Day (Tentatively 15 days including theory, practical.
Evaluation and Certification	Performance Based Evaluation and Grading (100 Marks)

PHYSICAL EDUCATION



Yoga for Mental and Physical Health

Course Coordinator	Dr. A.I. Khan SME: Mr. Sunil Gaysamudre & Mr. Sunil Sable						
Curriculum	<p>Unit I: Introduction: Meaning and Definition of Yoga. Concept of Yogic Practices; Principles of Breathing – Awareness – Relaxation, Sequence — Time – Place – Clothes — Emptying the bowels – Stomach — No Straining – Age – Contra- Indication – Inverted asana – Sunbathing.</p> <p>Unit II: Aasanas and Pranayam: Asanas: Types- Techniques and Benefits, Surya Namaskar: Methods and benefits. Pranayama: Types- Methods and benefits. Nadis: Meaning, methods and benefits, Chakras: Major Chakras- Benefits of clearing and balancing Chakras.</p> <p>Unit III: Kriyas: Shat Kriyas- Meaning, Techniques and Benefits of Neti – Dhauti – Kapalapathi-Trataka – Nauli – Basti, Bandhas: Meaning, Techniques and Benefits of Jalendra Bandha, Jihva Bandha, Uddiyana Bandha, Mula Bandha.</p> <p>Unit IV: Mudras: Meaning, Techniques and Benefits of Hasta Mudras, Asamyukta hastam, Samyukta hastam , Mana Mudra, Kaya Mudra, Banda Mudra, Adhara Mudra. Meditation: Meaning, Techniques and Benefits of Meditation – Passive and active, Saguna Meditation and Nirguna Meditation.</p> <p><i>Note: Laboratory Practicals be designed and arranged internally</i></p>						
Course Outcome	<ul style="list-style-type: none">• Acquire and be equipped with skills in the application of theoretical and practical knowledge in different subjects within the board field of yogic science.• Be well informed, ethical and committed citizens contributing to the yogic sciences development.• Be able to practice for real life problem solving in an increasing complex and dynamic sports and yogic sciences world.						
Duration	30 hours						
Evaluation And Certification	<table border="1"><thead><tr><th>Theory exam</th><th>Practical exam</th><th>Total</th></tr></thead><tbody><tr><td>60 marks</td><td>40 marks</td><td>100</td></tr></tbody></table>	Theory exam	Practical exam	Total	60 marks	40 marks	100
Theory exam	Practical exam	Total					
60 marks	40 marks	100					

ENGLISH



Certificate course in Business Communication

Course Coordinator	Dr. Shaista Talat Khan
Curriculum	<ol style="list-style-type: none">1. Basics of Business communication:<ol style="list-style-type: none">a. Upward communicationb. Downward communicationc. Kinesics (Body Language)d. Facing Interviews2. Situational Conversations:<ol style="list-style-type: none">a. At a Bankb. At the Airportc. An interviewd. In a Government officee. Introducing yourselff. Congratulating and responding to Appreciation3. Electronic Communication:<ol style="list-style-type: none">a. Writing and responding to e-mailsb. Skype interviewc. Sending reports on-line4. Effective presentation skills:<ol style="list-style-type: none">a. Preparing for a presentationb. The importance of correct Body language for a presentationc. Perfecting your pitch5. Soft skills:<ol style="list-style-type: none">a. Importance of soft skillsb. Emotional intelligence skills
Course Outcome	<ol style="list-style-type: none">1. The students will develop proficiency in reading, speaking and writing skills.2. The students will develop confidence to face interviews.3. The students will develop courage for public speaking.
Duration	30 hours (Weekly 1½ hours)
Evaluation and Certification	<ul style="list-style-type: none">❖ Assessment shall be based in tests in regular basis (40%)❖ Oral tests to judge the proficiency attained in speaking skills (30%)❖ Oral presentations (30%)

CHEMISTRY
&
POLYMER CHEMISTRY



Must Know Basic Concepts in Chemistry

Course Coordinator	Mr. Ajaykumar Gandhi				
Curriculum	<ol style="list-style-type: none">1. Atomic Structure: Fundamental Terminology, Concept of Shell, Orbit, Orbital. Electron Filling Rules, Principal. Concept of Full Filled orbital stability, Half Filled orbital stability.2. Units and Conversions: Conversions of units for Fundamental Quantities, Derived Quantities. (mili, centi, micro, nano, pico, femto, etc)3. Solutions, Acid, Base, pH, pKa concepts: Acid-Base Theories (Arrhenius), Definitions of pH, pKa, pKb, Inter-relationships.4. Hybridization: Principal, types of hybridizations sp, sp², sp³.5. Hydrocarbons: Types, chain, ring, aromatic, non-aromatic. Nomenclature6. Functional Groups: Definition, -OH (alcohol, phenol), R-O-R, -NH₂, -C(O)H, -C(O)R, -COOH,7. Electronic Effects: Inductive Effect and applications, Electromeric effect, Resonance effect (writing canonical forms for neutral, positively and negatively charged conjugated systems), Hyperconjugation Effect.8. Intermediates in Reaction Mechanism: Carbocation, Carbanion, Carbon Free Radical, Carbene, Nitrene, Benzyne. Stability order.9. Types of Reactions: Addition, Elimination, Substitution				
Course Outcome	<ul style="list-style-type: none">• Students with little prior knowledge of chemistry will be able to understand terms, concepts in chemistry, and use them in understanding of related topics in better manner.• Students will be able to do calculations accurately before solution preparation.				
Duration	18 Days (2 Hrs/day) Flipped Classroom Approach.				
Evaluation and Certification	Daily 5 MCQs based Test Taken. Daily Assignments given and expected to be submitted before discussion session (Viber Video Call App/ Zoom used).				
	SN	Type of Questions	Internal (Daily)	End Examination Marks	Total Marks
	1	Multiple Choice Questions (MCQs)	150 (2 Marks; 5 MCQs/day for 15 Days	25 Qs = 50 Marks	200
	2	Assignment(s)	Non Graded		
	3	Oral (Viber/zoom Discussion)	Non Graded		

MATHEMATICS



Online Certificate Course in Numerical Methods Using Python

Course Coordinator	Dr. Sanjay Anant Morye
Curriculum	<ol style="list-style-type: none">1. Introduction to Python2. Expression and operators3. Conditional Statements4. Looping Statements, Control statements5. Functions6. Modules and packages in Python7. Python Data structure8. Operations in set and array9. Sorting array10. Matrix Algebra11. Systems of linear algebraic equations12. Roots of Equations13. Initial Value Problems14. Numerical Integration15. Interpolation
Course Outcome	<ul style="list-style-type: none">• Participants learnt python programming language.• Learnt how to do problem analysis, how to develop algorithm and how to make program analysis.• Students also learnt to develop Python program for various numerical methods.• They also improved their skills and techniques in Python programming.
Duration	40 Hours
Evaluation and Certification	4-weekly assignments and one final MCQ type online exam of 100 marks

SANSKRIT



Value Added Course in

संस्कृतसम्भाषणकौशलम्

Course Coordinator	Dr. Pankaja Waghmare																			
Curriculum	<ol style="list-style-type: none">1. स्वपरिचयः2. वासराः3. सङ्ख्याः4. समयम्5. लट् लकारः प्रथमपुरुषः एकवचनम्6. तद् सर्वनाम7. अस्मद् – युष्मद् सर्वनाम8. लट् लकारः - उत्तमपुरुषः एकवचनम्, मध्यमपुरुषः एकवचनम्9. दिनचर्या10. लट् लकारः प्रथमपुरुषः बहुवचनम्11. लट् लकारः - उत्तमपुरुषः बहुवचनम्, मध्यमपुरुषः बहुवचनम्12. शाकनामानि, फलनामानि, पुष्पनामानि, शालोपयोगिवस्तुनामानि आदिनि13. षष्ठीविभक्तिः14. सप्तमीविभक्तिः15. पञ्चमीविभक्तिः16. तृतीयाविभक्तिः17. प्रथमा तथा द्वितीयाविभक्तिः18. चतुर्थीविभक्तिः19. भूतकालवाचकवाक्यानि20. भविष्यकालवाचकवाक्यानि21. अव्ययानि (पूर्वकालवाचक)22. अव्ययानि (हेत्वर्थकानि)23. विध्यर्थकवाक्यानि24. विशेषणविशेष्यसम्बन्धः25. संस्कृतसुभाषितानि26. संस्कृतलघुकथाः27. संस्कृतगीतानि28. विनोदकणिकाः29. प्रहेलिका30. स्वागतसम्भाषणम्																			
Course Outcome	<ul style="list-style-type: none">● Students with no prior knowledge of Sanskrit will be able to communicate in Sanskrit.● Students will be able to understand and write small sentences in Sanskrit.																			
Duration	30 Hours																			
Evaluation and Certification	<table border="1"><thead><tr><th>SN</th><th>Type of Questions</th><th>Internal (Daily)</th><th>End Examination Marks</th><th>Total Marks</th></tr></thead><tbody><tr><td>1</td><td>Oral examination</td><td>5 sentences by each student each day = 5 marks (30 days)</td><td>50 Marks</td><td>200</td></tr><tr><td>2</td><td>Assignment</td><td colspan="3">Non Graded</td></tr></tbody></table>					SN	Type of Questions	Internal (Daily)	End Examination Marks	Total Marks	1	Oral examination	5 sentences by each student each day = 5 marks (30 days)	50 Marks	200	2	Assignment	Non Graded		
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