

Shankarlal Khandelwal College, Akola

Learning outcomes

Program Outcomes

Program UG

Arts

Commerce

Science

BCA

Subject

English
Marathi
Sanskrit
English
Literature
Marathi
Literature
Sanskrit
Literature
Economics
Political
History
Sociology
Home Economics

Subject

English
Marathi
CFS
FSE
PBM
BE
CAT
MFS
BMS
ITA
ITBBDP
IWW
CMM
CMA
BRFC
BE

*Courses/
Subject*

Micro Group
Chemistry
Zoology
Microbiology
Computer Group
Physics
Maths
Computer Science

*Courses/
Subject*

Computer Science
DT
NM
DCM
Communication
Skill
Electronics
DBMS
OST
VB
SAD & MIS
Networking
Web Designing

Specific Program
PG

MA - English

M.Sc. - Chemistry

Learning outcomes of courses
Courses in Faculty of Arts -UG

B. A. Compulsory English

At the end of the three year course the student will be able to...

- Comfortable in comprehension of the language.
- Have a fair command on LSRW skills in English.
- To write grammatically correct and use of different formats like resume, emails, letters, expansion of the idea, creative writing story building etc.
- Acquire good communication skills and will be comfortable in communicating in the language.
- Learn to perceive and critically analyze various forms like short story, poetry, essays, etc.

B. A. English Literature

At the end of the three year course the student will be able to...

- Identify, analyze, interpret and describe the critical ideas, values, and themes that appear in literary texts.
- Understand, identify and differentiate between various genres of literature.
- Understand and apply various theories of literature, and arts to literary texts.
- Develop critical thinking through analyzing various short and long fiction and poetry.
- Distinguish and appreciate values and moral practices, preached through the texts.
- Read the connotative denotative meanings of the texts and read between the lines.

Sanskrit

- An increased ability to read and understand Sanskrit texts.
- An increased knowledge and understanding of Sanskrit grammar.
- A basic familiarity of the history of Sanskrit literature.
- A basic familiarity of Sanskrit culture and religious background.

Marathi

मराठी विभागाची निष्पत्ती

- मराठी/मराठी वाड;मय घेतलेल्या विद्यार्थ्यां शुद्धलेखन करू शकतात.
- व्यावहारिक कौशल्यांचे उपयोजन निर्माण होते, जसे आकाशवाणी, दूरचित्रवानी कार्यक्रमा मध्ये संचालन, साक्षात्कार, प्रत्यक्ष मुलाखतीचे तंत्र अवगत करतील. विविध वृत्तपत्रा मध्ये संपादक म्हणून काम करू शकतील.
- विद्यार्थी विविध ठिकाणी मुद्रित शोधन करू शकतात.
- मराठी विषय अंतर्गत पदव्युत्तर अभ्यासक्रमांना व बी. एड, एल एल बी, एम बी ए व स्पर्धा परीक्षा प्रवेशास पात्र राहतील.
- विद्यार्थ्यांमध्ये सृजनात्मक लेखन, ब्लॉग लेखन, कविता लेखन, स्तंभ लेखन, लघुकथा लेखन इत्यादि कौशल्य विकसित होतील.
- मराठीचा विविध प्रादेशिक बोलीभाषा संदर्भात जागरूकता निर्माण होईल.

Political Science

- Leadership skills will be developed among students.
- The ability to analyze politics at local, state, national and international level will be developed.
- Students will know the responsibilities of citizenship.
- Able to study further courses like PG, LLB, MPSC.
- Will be able to do services in the field of journalism.

History

- Understand the basic themes, concepts and scope of world and Indian History
- To study further in field of History as archaeology.
- Papered for various types of competitive Examinations(UPSC, MPSC, STAFF SELECTION, ETC)
- To study further in P.G. (M.A) in History.

Home Economics

- **Students will be aware about various fields of Home Economics.**
- **Students will be able to plan their home using principles of housing.**
- **Students will develop positive attitudes towards their family members (Care, Health, Nutrition, Relations, etc.)**
- **Students will be able to apply acquired subject knowledge, inside and outside their homes.**
- **Students will be aware about the techniques of work simplification.**
- **Will be eligible to take admission in PG, B.Ed., Certificate courses, etc.**
- **Will be motivated to create self-employment and household business.**
- **Student will learn various management skills in Resources**
- **Students will be able to make their carrier as an Event manager, Diet planer, interior designer, Florists, home industry (food processing like -Masalas, Preservatives, etc.)**
- **Will have knowledge about the suitable procedures for safe handling and use of food.**

Sociology

- **Student will be well acquainted with the basic concepts of sociology along with its position in social sciences.**
- **The students will be aware of the conceptual framework of Indian social system.**
- **Students will understand the processes of change and development in various strata of human society.**
- **Student will understand the fundamentals and the emerging issues of social problems, social welfare & security from the sociological perspective.**
- **Students will develop understanding to find the reasons behind the social problems through their sociological research projects.**
- **Student will develop insight for socio-economic development as well as social justice and modernization.**
- **Student will gain knowledge of key concepts of evolution of human society all over**

Economics

- **Students will understand and demonstrate core micro-economic and macro-economic terms, concepts and theories.**
- **Students will be able to exhibit the ability to provide alternative solutions to problems.**
- **Students will be able to analyze the market trends and key concepts of budget.**

Learning outcomes of Commerce -UG

Commerce

On successful completion of this course, the students are enabled with the Knowledge in the practical applications of Accounting, Income Tax, Auditing, Business Statistics and Cost & Management Accounting

- **By studying all these subjects in 3 years students are able to understand what is accounting, basic concepts related to the subjects, accounting of individuals, co-operative societies accounting, accounting of non-trading concerns.**
- **After completion of graduation students are eligible for taking admissions in Professional Courses or to take higher education or diploma courses. Such as C.A., C.S., ICWA, M.B.A., M.Phil, M.Com, LLB, Financial Analyst, DTL .**
- **Analyse organisational problems and general realistic solutions based on current academic research in organizational behavior.**
- **Demonstrate a knowledge of macroeconomic theory as it relates to current macroeconomics policy and issue.**
- **Demonstrate knowledge of commerce theory as it relate of markets, firms, and government policy and resource allocation.**
- **Knowledge of key concepts underlying quantitative decision analysis.**
- **Apply basic mathematical and statistical skills necessary for analysis of a range of problems in Economics Accounting, marketing, management and finance.**

Learning Outcomes of Science

Learning Outcomes of Microbiology

- **The Students are able to cultivate bacteria and fungi**
- **The Students can use different instruments of microbiology**
- **The Students are accustomed with general microbiological techniques**
- **The Students are well aware of application and scope of microbiology in medical agriculture and industrial sector**
- **The Student have basic knowledge of r-DNA, Biotechnology and Immunology**

Learning Outcomes of Zoology

- **Students will be able to explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system.**
- **Students gain knowledge and skill in the fundamentals of animal sciences, understands the complex interactions among various living organisms.**
- **Analyze complex interactions among the various animals of different phyla, their distribution and their relationship with the environment.**
- **Apply the knowledge of internal structure of cell, its functions in control of various metabolic functions of organisms.**
- **Understands the complex evolutionary processes and behavior of animals.**
- **Correlates the physiological processes of animals and relationship of organ systems.**
- **Understanding of environmental conservation processes and its importance, pollution control and biodiversity and protection of endangered species.**
- **Gain knowledge of Agro based Small Scale industries like sericulture, fish farming, butterfly farming and vermin compost preparation.**
- **Understands about various concepts of genetics and its importance in human health.**
- **Apply ethical principles and commit to professional ethics and responsibilities in delivering his duties.**

- **Apply the knowledge and understanding of Zoology to one's own life and work.**
- **Develops empathy and love towards the animals.**
- **Perform procedures as per laboratory standards in the areas of Taxonomy, Physiology, Ecology, Cell biology, Genetics, Applied Zoology, Clinical science, tools and techniques of Zoology, Toxicology, Entomology, Nematology Sericulture, Biochemistry, Fish biology, Animal biotechnology, Immunology and research methodology.**
- **Understand the applications of biological sciences in Apiculture, Aquaculture, Agriculture and Medicine.**
- **Contributes the knowledge for Nation building.**

Learning Outcomes of Chemistry

Undergraduate students upon graduation with B.Sc. degree with chemistry:

- **Have firm foundations in the fundamentals and application of basic chemistry theories.**
- **Are able to design, carry out, record and analyze the results of chemical experiments.**
- **Are able to use modern instrumentation and classical techniques, to design experiments, and to properly record the results of their experiments.**
- **Are able to understand the concepts used in chemical industries.**
- **Are able in problems solving, critical thinking and analytical reasoning.**
- **Are able to identify and solve chemical problems and explore new areas of research.**
- **Are able to use modern library searching and retrieval methods to obtain information about a topic, chemical technique, or an issue relating to chemistry.**
- **Knows the proper procedures and regulations for safe handling and use of chemicals.**
- **Are able to communicate the results of their work to chemists and non-chemists.**
- **Become eligible for employment in related industrial and government sectors.**

Learning Outcomes of Physics

- **Have firm foundations in the fundamentals and application of basic science theories.**
- **Are able to design, carry out, record and analyze the results of science experiments.**
- **Are able to use modern instrumentation and classical techniques, to design experiments, and to properly record the results of their experiments.**
- **Are able to understand the concepts used in science based industries.**
- **Are able in problems solving, critical thinking and analytical reasoning.**
- **Are able to identify and solve scientific problems and explore new areas of research.**
- **Are able to use modern library searching and retrieval methods to obtain information about a topic, technique, or an issue relating to science.**
- **Become eligible for employment in related industrial and government sectors.**

Learning Outcomes of Mathematics

- **Students are able to apply their mathematical knowledge to solve Problems.**
- **Develop mathematical thinking**
- **Can go for studies M.Sc. Mathematics**
- **Can Appear Competitive Examination.**

Learning Outcomes of Computer Science

- **Students can join for further high-profiled education like M.Sc. in Computer Science, M.C.A. (Master in Computer Application), M.B.A., MPSC, UPSC, and Banking and acquire Jobs in Government Sectors as well as in private organizations.**
- **Students can refurnish their knowledge and form their own Business or Teaching Institute by taking affiliated certification from MKCL (Maharashtra Knowledge Corporate Limited) for the courses like MSCIT, different ERA courses, Diploma**

Courses etc.

- **Students can Explore computer science careers while networking and participating in an internship or supervised work experience at a corporation or in the community.**
- **Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions to handle / develop projects.**
- **Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline development / design of websites.**
- **Communicate effectively in a variety of professional contexts.**
- **Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.**
- **Leader of a team engaged in activities function effectively to the program's discipline.**

Learning Outcomes of Bachelor of Computer Application

- **Students will gain basic and advanced knowledge about computers and IT techniques.**
- **Students will have hands on expertise in 'C' programming, introduction about DBMS, data modules, visual basics and computer graphics.**
- **Will be able to analyse relational database and benefits of database.**
- **Will have good knowledge of core JAVA, Network Security and web designing.**
- **Will have various Self-employment opportunities like Computer instructor at Navodaya School, Military schools or can have his/her own computer institution where they can run Govt. certification courses like MS-CIT, Tally, C++ programming, etc.**

Learning Outcomes of Add on Course in Zoology (Aquarium Setup and Maintenance)

Aquarium setup and maintenance is 30 hours add on course in the department of Zoology for B.Sc. III year students.

Course outcomes:

- **Student enables to set home, outdoor & public aquarium**
- **Student enables to manage the home as well as public (commercial) aquariums**
- **Students will learn to handle different aquarium tools accessories**
- **Students will learn Decorations of aquarium**
- **learn Breeding of Aquarium Fishes.**
- **Students will learn to determine appropriate species of fishes and plant life to introduce into an aquarium and will identify common health problems with fish, and plants in an aquarium.**
- **Students will learn to preparation of various modern home as well as outdoor aquaria, knowledge about techniques of ornamental fish breeding, rearing and its marketing to make them self-sustainable after completing Add-on Course Aquarium Setup and Maintenance.**

Faculty of Arts-PG

Learning Outcomes- M. A. ENGLISH

- Students comprehend the knowledge of literary terms, major periods, authors, genres, and theories.
- Students develop complex reading and writing skills, perceive complex interrelationships between authors, texts, and specific social, political, and historical contexts of contemporary era.
- Students develop Skills to interpret and defend interpretations by using textual material, secondary sources, and literary theory.
- Students exhibit an appreciation for both literary works and literary theories.
- Students develop understanding of and, appreciation of hermeneutics of literature and language.
- Students build up their own interpretations and perspectives, on the text under consideration and get
- motivated to produce new creative and artistic works themselves.

Faculty of Science-PG

Learning Outcomes- M. Sc. Chemistry

After the successful completion of two years of post-graduate programme in chemistry (M.SC. Chemistry) a students should be able to

- **Apply the knowledge of chemistry in different R & D laboratories and Q.C. Departments**
- **Carry out research in Chemistry**
- **Know the structure of activity relationship**
- **Set up a small scale chemical industry**
- **Enter in the field of teaching in chemistry**
- **Operate and analyze the data of basic sophisticated instruments**