Course offered by the C.P. College of Agriculture for PG students of odd semester to be start form 7/9/2020.

<table>
<thead>
<tr>
<th>Sr. No.</th>
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<th>Course Title</th>
<th>Course Credit</th>
<th>Name of PG Teacher</th>
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<tr>
<td>1</td>
<td>GP 501/MBB 551</td>
<td>PRINCIPLES OF GENETICS</td>
<td>2+1=3</td>
<td>Dr. N. V. Soni</td>
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<td>2</td>
<td>GP 502</td>
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<td>3</td>
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<td>POPULATION GENETICS</td>
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<td>Dr. P. C. Patel</td>
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<tr>
<td>4</td>
<td>GP 508</td>
<td>CELL BIOLOGY AND MOLECULAR GENETICS</td>
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<td>Mr. Manish Sharma</td>
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<td>5</td>
<td>GP 509</td>
<td>BIOTECHNOLOGY FOR CROP IMPROVEMENT</td>
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<td>6</td>
<td>GP 602</td>
<td>ADVANCES IN QUNTITATIVE GENETICS</td>
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<td>7</td>
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<td>GENOMICS IN PLANT BREEDING</td>
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<td>8</td>
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<td>BREEDING DESIGNER CROPS</td>
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<td>9</td>
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<td>PRINCIPLES OF BIOTECHNOLOGY</td>
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<td>10</td>
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<td>FUNDAMENTALS OF MOLECULAR BIOLOGY</td>
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<td>11</td>
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<td>Mrs. SulbhiVerma</td>
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<td>TECHNIQUES IN MOLECULAR BIOLOGY I</td>
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<td>15</td>
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<td>17</td>
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<td>HORMONAL REGULATION OF PLANT GROWTH AND DEVELOPMENT</td>
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<td>18</td>
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<td>PHYSIOLOGY OF GROWTH AND YIELD AND MODELING</td>
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<td>Dr. A. K. Singh</td>
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<td>19</td>
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<td>MORPHOGENESIS, TISSUE CULTURE AND TRANSFORMATION</td>
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<td>20</td>
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<td>FLORAL BIOLOGY, SEED DEVELOPMENT &amp; MATURATION</td>
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<td>21</td>
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<td>23</td>
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<td>24</td>
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<td>DUS TESTING FOR PLANT VARIETY PROTECTION</td>
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<td>26</td>
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<td>DVANCES IN SEED SCIENCE RESEARCH</td>
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<td>27</td>
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<td>BASIC CONCEPTS IN LABORATORY TECHNIQUES</td>
<td>0+1=1</td>
<td>Dr. K. P. Pachchigar</td>
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<td>28</td>
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## Agronomy Department

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<tbody>
<tr>
<td>Agron.501</td>
<td>Modern concept in crop production</td>
<td>3+0</td>
<td>Prof. M. G. Chaudhary</td>
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<td>Agron.504</td>
<td>Principles and practices of water management</td>
<td>2+1</td>
<td>Dr. D. M. Patel</td>
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<td>Principles and Practices of Weed Management</td>
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### Optional courses

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<tr>
<td>Agron.511</td>
<td>Cropping systems and sustainable agriculture</td>
<td>2+0</td>
<td>Dr. A. G. Patel</td>
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<tr>
<td>Agron.512</td>
<td>Dry land Agriculture and Watershed Management</td>
<td>2+1</td>
<td>Prof. Piyush Saras</td>
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<tr>
<td>Agron.513</td>
<td>Principles and Practices of Organic Farming</td>
<td>2+1</td>
<td>Dr. J. C. Patel</td>
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<tr>
<td>Agron.602</td>
<td>Crop ecology</td>
<td>2+0</td>
<td>Dr. P. P. Chaudhary</td>
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<td>Agron.608</td>
<td>Soil conservation and watershed management</td>
<td>2+1</td>
<td>Dr. P. H. Patel</td>
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<tr>
<td>Ag. Met 508</td>
<td>Principles of Remote Sensing and its Application in Agriculture</td>
<td>2+1</td>
<td>Prof. Sevak Das</td>
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<tr>
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<td>Basic concepts in Lab Techniques</td>
<td>0+1</td>
<td>Dr. C. K. Patel/Sweta Patel</td>
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<tr>
<td>Agron 591/691</td>
<td>Seminar</td>
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<td>Dr. J.K. Patel, Soils</td>
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## Microbiology Department

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<td>MICRO 501</td>
<td>Principles of Microbiology</td>
<td>3+1</td>
<td>Dr. N. K. Singh</td>
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<td>MICRO 504</td>
<td>Soil Microbiology</td>
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<td>NEMA 501</td>
<td>Principles of Nematology</td>
<td>2+1</td>
<td>Miss. Poonam Tapre</td>
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## Agril. Economics

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<tr>
<td>Ag. Econ. 504</td>
<td>Agricultural Production Economics</td>
<td>1+1</td>
<td>Dr. K.P. Thakar</td>
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<tr>
<td>Ag. Econ. 506</td>
<td>Research Methodology For Social Sciences</td>
<td>1+1</td>
<td>Dr.Laxmi Rani Dubey</td>
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<tr>
<td>Ag. Econ. 507</td>
<td>Econometrics</td>
<td>2+1</td>
<td>Dr. Shiv Raj Singh</td>
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<tr>
<td>Ag. Econ. 509</td>
<td>Agricultural Finance And Project Management</td>
<td>2+1</td>
<td>Mrs.Soumya C.</td>
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<tr>
<td>Ag. Econ. 604</td>
<td>Advanced Production Economics</td>
<td>2+1</td>
<td>Dr. K.P. Thakar</td>
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<tr>
<td>Ag. Econ. 605</td>
<td>Quantitative Development Policy Analysis</td>
<td>1+1</td>
<td>Dr. Shiv Raj Singh</td>
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<td>Ag.Econ 591/691</td>
<td>Seminar</td>
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<td>Dr. PB Maraviya</td>
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## Agril. Entomology Department

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<td>ENT 501</td>
<td>Insect morphology</td>
<td>1+1</td>
<td>Mr. P. H. Rabari</td>
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<tr>
<td>ENT 502</td>
<td>Insect anatomy, physiology and nutrition</td>
<td>2+1</td>
<td>Dr. Sushma Deb</td>
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<td>ENT 508</td>
<td>Toxicology of insecticides</td>
<td>2+1</td>
<td>Dr. P. S. Patel</td>
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<td>ENT 510</td>
<td>Principles of integrated pest management</td>
<td>1+1</td>
<td>Mr. C. S. Barad</td>
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<td>ENT 511</td>
<td>Pests of field crops</td>
<td>1+1</td>
<td>Dr. F.K. Chaudhary</td>
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<td>ENT 513</td>
<td>Storage entomology</td>
<td>1+1</td>
<td>Dr. Sushma Deb</td>
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<tr>
<td>ENT 518</td>
<td>Techniques in plant protection</td>
<td>0+1</td>
<td>Mr. C. S. Barad</td>
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<td>ENT 611</td>
<td>Molecular Approaches in Entomological Research</td>
<td>1+1</td>
<td>Dr. P. S. Patel</td>
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<td>PGS 504</td>
<td>Basic concepts in laboratory techniques</td>
<td>0+1</td>
<td>Mr. P. H. Rabari</td>
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<td>Seminar</td>
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### Agricultural Statistics Department

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<td>Basic Concept in Laboratory Techniques</td>
<td>0+1</td>
<td>Dr. G. K. Chaudhary</td>
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<td>Stat 512</td>
<td>Experimental Designs</td>
<td>2+1</td>
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<td>Stat 521</td>
<td>Applied Regression Analysis</td>
<td>2+1</td>
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<td>Stat 531</td>
<td>Data Analysis Using Statistical Packages</td>
<td>2+1</td>
<td>Dr. G. K. Chaudhary</td>
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<td>Stat 561</td>
<td>Statistical methods</td>
<td>2+1</td>
<td>Dr. P. B. Marviya</td>
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<td>Stat 563</td>
<td>Multivariate Analysis</td>
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<td>Stat 564</td>
<td>Design of Experiments</td>
<td>2+1</td>
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<td>Stat 565</td>
<td>Sampling Techniques</td>
<td>2+1</td>
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<td>Stat 591/691</td>
<td>Seminar</td>
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Stat. 512 is offered only for the students of Agronomy and Soil Science. For rest of disciplines/faculties, it will be offered in next semester and course No. Stat. 531 is offered for the Ph. D. students of Agricultural Economics.

### Soil Science and Agricultural Chemistry

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<tr>
<td>SOILS 501*</td>
<td>Soils Physics</td>
<td>2+1</td>
<td>Dr. J.K. Malav</td>
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<tr>
<td>SOILS 504*</td>
<td>Soil Mineralogy, Genesis, Classification and Survey</td>
<td>2+1</td>
<td>Dr. J.K. Patel</td>
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<td>SOILS 510</td>
<td>Remote Sensing and GIS Techniques for Soil and Crop Studies</td>
<td>2+1</td>
<td>Dr. J.K. Malav</td>
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<td>SOILS 511*</td>
<td>Analytical Techniques and Instrumental Methods in Soil and Plant Analysis</td>
<td>0+2</td>
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<td>SOILS 513</td>
<td>Management of Problematic Soils and Waters</td>
<td>2+1</td>
<td>Dr. N.I. Patel</td>
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<td>SOILS 514</td>
<td>Fertilizer Technology</td>
<td>1+0</td>
<td>Dr. J.R. Jat</td>
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<td>SOILS 601</td>
<td>Advances in Soil Physics</td>
<td>2+0</td>
<td>Dr. J.K. Malav</td>
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<td>Advances in Soil Fertility</td>
<td>2+0</td>
<td>Dr. S.K. Shah</td>
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<td>Soil Genesis and Micropedology</td>
<td>2+0</td>
<td>Dr. N.H. Desai</td>
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<td>Biochemistry of Soil Organic Matter</td>
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<td>Prof. R.P. Pavaya</td>
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### Extension Education

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<td>Dr. K. M. Joshi</td>
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<td>EXT 503</td>
<td>Diffusion and Adoption of Innovations</td>
<td>2+1</td>
<td>Mr. A. R. Deshpande</td>
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<td>EXT 505</td>
<td>E-Extension</td>
<td>2+1</td>
<td>Mr. Arnab Biswas</td>
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<td>EXT 506</td>
<td>Entrepreneurship Development and Management in Extension</td>
<td>2+1</td>
<td>Dr. S. P. Pandya</td>
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<td>EXT 507</td>
<td>Human Resource Development</td>
<td>2+1</td>
<td>Dr. R. R. Prajapati</td>
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<td>Seminar</td>
<td>1+0</td>
<td>Dr. K. M. Joshi</td>
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<td>EXT 601</td>
<td>Advances in Agricultural Extension</td>
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<td>EXT 605</td>
<td>Advances in Instructional Technology</td>
<td>2+1</td>
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<td>Seminar</td>
<td>1+0</td>
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<td>10</td>
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### Plant Pathology

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<td>Pl.Path.502</td>
<td>Plant virology</td>
<td>2+1</td>
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<td>Pl.Path.507</td>
<td>Diseases of field and medicinal crops</td>
<td>2+1</td>
<td>Dr. R.F. Chaudhari</td>
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<td>Pl.Path.510</td>
<td>Seed Health Technology</td>
<td>2+1</td>
<td>Dr. Jyotka Purohit</td>
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<td>Pl.Path.602</td>
<td>Advanced Virology</td>
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### Non Credit Courses

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<tr>
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<td>Technical Writing and Communication skill</td>
<td>0+1</td>
<td>Dr. KM Joshi, Asso. Professor &amp; Head, Extn. Education</td>
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<td>2</td>
<td>PGS 504 (E-course)</td>
<td>Basic Concepts in Laboratory Techniques</td>
<td>0+1</td>
<td>Teachers of concern Department</td>
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<td>3</td>
<td>PGS 505 (E-course)</td>
<td>Agricultural Research, Research Ethics and Rural Development Programme</td>
<td>1+0</td>
<td>Dr. Arnab Biswas, Asstt. Professor, Exn.Edu.</td>
</tr>
<tr>
<td>4</td>
<td>PGS 506 (E-course)</td>
<td>Disaster Management</td>
<td>1+0</td>
<td>Dr. Alok Gora, Asstt. Professor, Deptt. of Agril.Engg.</td>
</tr>
</tbody>
</table>

**Dean (Agri.)**