

College of Agriculture, Loni

About E-Learning-topics to be covered during 16/03/2020 to 31/03/2020 of II, IV, VI and VIII Semester of College of Agriculture.

E-Learning Material

II Semester

Course No.	Title	Credits T+P	Course E-Learning Material
A)	Core Course		
AGRO-123	Fundamentals of Agronomy-II	1+1	https://www.agrimoon.com/water-management-including-micro-irrigation-icar-ecourse-pdf-book/ https://www.agrimoon.com/wp-content/uploads/Water-Management-including-Micro-Irrigation.pdf https://www.krishipanth.com/water-management-pdf-book/ https://www.iaritoppers.com/2019/06/Water-Management-Including-Micro-Irrigation-ICAR-Ecourse-Free-PDF-Book-Download-e-krishi-shiksha.html https://www.iaritoppers.com/2019/06/Water-Management-Including-Micro-Irrigation-ICAR-Ecourse-Free-PDF-Book-Download-e-krishi-shiksha.html http://agriinfoin.blogspot.com/2010/03/agronomy-water-management-including.html http://ecoursesonline.iasri.res.in/mod/page/view.php?id=6681 http://www.biologydiscussion.com/plants/absorption-of-water/absorption-of-water-in-plants-with-diagram/22718 https://study.com/academy/lesson/water-absorption-movement-in-plants.html https://www.slideshare.net/alihaidar408/soil-plant-atmosphere-continuum-spac https://www.youtube.com/watch?v=wMtEm-G95P8 http://agropedia.iitk.ac.in/content/water-requirement-different-crops https://www.google.com/search?biw=1366&bih=654&tbn=vid&ei=OeBxXtu2L5_D3LUP98awmAU&q=Water+Use+efficiency&oq=Water+Use+efficiency&gs_l=psy-ab.3..0l9j0i5i30k1.56793.56793.0.57072.1.1.0.0.0.240.240.2-1.1.0....0...1c.2.64.psy-ab..0.1.239....0.S2k4F3fyRnQ https://www.youtube.com/watch?v=fmeief8XuuA https://www.youtube.com/watch?v=xK83id8FmM8 http://eagri.org/eagri50/AGRO103/lec19.pdf https://www.youtube.com/watch?v=eo9VwRETkDk http://agropedia.iitk.ac.in/content/scheduling-irrigation http://ecoursesonline.iasri.res.in/mod/page/view.php?id=2004 https://www.youtube.com/watch?v=Q-4O8ZBOR1A
BOT-121	Fundamentals of Crop Physiology	1+1	http://eagri.org/eagri50/PPHY261/lec10.pdf http://eagri.org/eagri50/PPHY261/lec12.pdf https://youtu.be/Q8JsMxkZZhc https://youtu.be/13h5oC4jIsk

ECON-121	Fundamentals of Agricultural Economics	2+0	http://eagri.org/eagri50/AECO141/lec05.pdf http://eagri.org/eagri50/AECO141/lec08.pdf http://eagri.org/eagri50/AECO141/lec06.pdf http://eagri.org/eagri50/AECO141/lec10.pdf
ENGG-121	Soil and Water Conservation Engineering	1+1	http://eagri.org/eagri50/AENG151/lec04.pdf https://youtu.be/tn5nxOQfv9U http://eagri.org/eagri50/AENG151/lec05.pdf https://youtu.be/216r_zHgpT4 http://eagri.org/eagri50/AENG151/lec06.pdf http://eagri.org/eagri50/AENG151/lec07.pdf
ENTO-121	Fundamentals of Entomology	1+1	https://youtu.be/ov4Oh_RHvI8 https://youtu.be/gFDJQsrNW1Q https://youtu.be/JMqkbelubss http://eagri.org/eagri50/ENTO231/lec05.pdf http://eagri.org/eagri50/ENTO231/lec17.pdf http://eagri.org/eagri50/ENTO231/lec27.pdf
EXTN-122	Fundamentals of Agricultural Extension Education	2+1	http://eagri.org/eagri50/AEXT191/lec14.pdf ,
			https://www.slideshare.net/MukulGupta40/communication-models-by-mukul-gupta?qid=06bd4f45-f24a-48da-b55c-52ea7ed4d486&v=&b=&from_search=6
			https://youtu.be/-HXa320iTPY https://youtu.be/w-xbPXboNhE
GPB-121	Fundamentals of Genetics	2+1	http://eagri.org/eagri50/GBPR111/lec15.pdf http://eagri.org/eagri50/GBPR111/lec09.pdf https://youtu.be/vIUfRD0LvJs https://youtu.be/ufvZ8bYtyO8
PATH-	Fundamentals	2+1	
FRST-121	Introduction to Forestry	1+1	http://eagri.org/eagri50/FRST201/lec10.pdf http://eagri.org/eagri50/FRST201/lec14.pdf
EXTN-123	Communication Skills and	1+1	http://eagri.org/eagri50/AEXT391/lec13.pdf https://youtu.be/2tAyleJ6xs0

IV semester

Course No.	Title	Credits T+P	Course E-Learning Material
A)	Core Course		
AGRO-246	Crop Production Technology-II (Rabi crops)	1+1	eagri.org https://ecourses.icar.gov.in https://youtu.be/vz-p_vRqLwM
AGRO-247	Farming System and Sustainable Agriculture	1+0	https://youtu.be/oJCBVfr3Mxw eagri.org
AGRO-248	Principles of Organic Farming	1+1	https://youtu.be/K3f9oINVAR0- www.agrimoon.com www.agriglance.com
AHDS-242	Livestock Breeding and Nutrition	1+1	https://extension.umn.edu/dairy-nutrition/ruminant-digestive-system http://extension.msstate.edu/publications/publications/understanding-the-ruminant-anima https://www.mun.ca/biology/scarr/Ruminant_Digestion.html https://youtu.be/kK7IWjNYwxI https://krishijagran.com/animal-husbandry/what-is-complete-feed-block-technology-and- https://youtu.be/q5-ZpJATiR0
ECON-242	Agriculture Finance and Cooperation	2+1	http://eagri.org/eagri50/AECO241/lec09.html http://eagri.org/eagri50/AECO241/lec10.html http://eagri.org/eagri50/AECO241/lec08.html http://eagri.org/eagri50/AECO241/lec02.html
ENGG-243	Renewable Energy and Green Technology	1+1	http://eagri.org/eagri50/AENG352/lec10.pdf http://eagri.org/eagri50/AENG352/lec24.pdf https://youtu.be/uWak-qJ2V9g http://eagri.org/eagri50/AENG352/lec26.pdf http://eagri.org/eagri50/AENG352/lec28.pdf http://eagri.org/eagri50/AENG352/lec19.pdf https://youtu.be/y8UrDvLBSjw
ENTO-243	Pest of Horticultural Crops and their Management	1+1	http://eagri.org/eagri50/ENTO331/lecture31/lec031.pdf http://eagri.org/eagri50/ENTO331/lecture29/lec029.pdf https://youtu.be/ItwWYaSNvdc

GPB-243	Principles of Seed Technology	1+2	http://eagri.org/eagri50/GPBR112/lec24.html , http://eagri.org/eagri50/GPBR112/lec27.html https://youtu.be/-HGJN_LPnGM https://youtu.be/-nFQIpWQqoc
HORT-243	Production Technology for Fruit and Plantation Crops	1+1	http://agritech.tnau.ac.in/horticulture/horti_plantation%20crops_rubber.html https://youtu.be/JHewNXWb6ZM https://youtu.be/NM_XblWBeug https://youtu.be/71a0NxBxUQ0
SSAC-242	Problematic Soils and their Management	1+1	https://www.slideshare.net/DrAbdulmannanOrabi/lecture-5-soil-compaction-67797618 https://youtu.be/7Hrx46QJTtc https://youtu.be/Rd2OqTgEU1s https://www.slideshare.net/shivacivil1401/soil-erosion-59780618 https://www.slideshare.net/urwithnimal/chemistry-of-submerged-soils https://youtu.be/RS2Z2uJrNZg https://www.slideshare.net/manjuali/remote-sensing-and-gis https://youtu.be/49jSZlyphl4
ELE BOT-242	Micropropagation Technologies	1+2	http://eagri.org/eagri50/GPBR311/lec06.pdf http://eagri.org/eagri50/GPBR311/lec15.pdf https://youtu.be/-0YR-IEUjjM
ELE EXTN-244	Agricultural Journalism	2+1	https://youtu.be/eSNG18ln-LM https://www.slideshare.net/subinkmohan/hand-book-of-farm-journalism https://rajneeshraoria.weebly.com/uploads/4/9/0/6/49069889/extension_methodologies_for_transfer_of_aext292.pdf

VI semester (New)

Course No.	Title	Credits T+P	Course E-Learning Material
AGRO 3611	Practical Crop Production-II(Rabi crops)	0+1=1	www.oecd.org/tad/sustainable-agriculture/49848768.pdf
AGRO 3612	Geo-informatics and Nanotechnology and Precision Farming	1+1=2	https://www.slideshare.net/kirtisingh2011/nanotechnology-ppt https://shodhganga.inflibnet.ac.in/bitstream/10603/74773/7/07_chapter%202.pdf https://www.nanowerk.com/nanotechnology/introduction/introduction_to_nanotechnology_1.php https://shodhganga.inflibnet.ac.in/bitstream/10603/62366/4/chapter%201.pdf www.oecd.org/tad/sustainable-agriculture/49848768.pdf http://pnrsolution.org/Datacenter/Vol3/Issue1/40.pdf
AHDS 364	Sheep Goat and Poultry Production	1+1=2	https://www.researchgate.net/publication/290451868_Performance_of_exotic_and_indigenous_poultry_breeds_managed_by_smallholder_farmers_in_northern_Ethiopia https://www.slideshare.net/gurramsrinivas39/classification-poultry-breeds-chicken-turkey http://agritech.tnau.ac.in/animal_husbandry/ani_chik_poultry%20rearing.html
ECON 365	Farm Management, Production and Resource Economics	1+1=2	http://eagri.org/eagri50/AECO342/lec07.pdf http://eagri.org/eagri50/AECO342/lec14.pdf http://eagri.org/eagri50/AECO342/lec11.pdf
ENGG 364	Protected Cultivation and secondary Agriculture	1+1=2	http://eagri.org/eagri50/AENG252/lec08.pdf http://eagri.org/eagri50/AENG252/lec04.pdf http://eagri.org/eagri50/AENG252/lec03.pdf http://eagri.org/eagri50/AENG252/lec18.html
ENTO 365	Management of Beneficial Insects	1+1=2	https://youtu.be/ZvgujCEzV28 https://youtu.be/sjKCzdVpg3M https://youtu.be/2OTexBzjiAM https://youtu.be/kc3QIZnepaQ http://eagri.org/eagri50/ENTO232/lec07.pdf
FST 362	Principles of Food Science and Nutrition	2+0=2	http://lib.rudn.ru/file/Food_Science_Nutrition_Catalogue_ebook.pdf
GPB 366	Crop Improvement – II (Rabi crops)	1+1=2	http://eagri.org/eagri50/GPBR212/lec22.pdf http://eagri.org/eagri50/GPBR212/lec19.pdf https://youtu.be/9LdCdkVF1ts https://youtu.be/_owrnpKz1Ik
HORT 366	Post-harvest Management and Value Addition of Fruits and	1+1=2	https://www.slideshare.net/Myt12/food-technology-preservation https://youtu.be/kcgXxn81K3w
PATH 365	Diseases of Field and Horticultural Crops	2+1=3	

**Experiential Learning (Module)
Time Table 2019-20**

Course No.	Title	Credits T+P	Course E-Learning Material
AEL-SSAC-	Soil and Water Clinic	0+20=20	http://agritech.tnau.ac.in/pdf/2.pdf
AEL-BOT- 489	Plant Tissue Culture	0+20=20	http://agritech.tnau.ac.in/banking/PDF/Biotechnology_Plant%20Propagation%20by%20Tissue%20Culture%20.pdf
AEL –	Milk and Milk Products	0+20=20	https://old.fssai.gov.in/Portals/0/Pdf/Draft_Manuals/MILK_AND_MILK_PRODUCTS.
AEL-ENT- 486	Mass production of bioagents and biopesticides	0+20=20	https://youtu.be/2rg9L0ppYWQ https://youtu.be/qQxbeavbrJQ
AEL.AGRO- 4813	Seed Production of field crops and processing	0+20=20	http://agritech.tnau.ac.in/seed_certification/pdf/A%20Manual%20on%20Seed%20Production%20and%20Certification.pdf
AEL-PATH- 487	Biofertilizer production	0+20=20	http://www.apicol.co.in/images/Bio%20Fertilizer%20Production%20and%20marketing.pdf
AEL HORT- 487	Nursery Management of Horticulture Crops	0+20=20	http://eagri.org/eagri50/AENG252/lec03.pdf