ALAGAPPA UNIVERSITY

(Accredited with A+ Grade by NAAC (CGPA: 3.64) in the Third Cycle, Graded as Category-I University and granted autonomy by MHRD-UGC)

DIRECTORATE OF COLLABORATIVE PROGRAMMES



B.Sc., Poultry Science

Regulations and Syllabus
[For those who join the Course in July 2023 and after]
CHOICE BASED CREDIT SYSTEM

GENERAL INSTRUCTIONS AND REGULATIONS

B.Sc., Poultry Science, degree program is conducted by Alagappa University, Karaikudi,

Tamil Nadu through its Collaborative Institution.

Applicable to all the candidates are admitted for the academic year 2023 onwards.

1. Eligibility:

A minimum pass in Higher Secondary Examination (HSC)/ PUC/ Intermediate or Equivalent, or an examination accepted as equivalent thereto by the Syndicate for admission to **B.Sc. Poultry Science.**

2. For the Degree:

The candidates shall have subsequently undergone the prescribed programme of study in an institute for not less than three academic years, passed the examinations prescribed and fulfill such conditions as have been prescribed therefore.

3. Admission:

Admission is based on the marks in the qualifying examination.

4. Duration of the course:

The course shall extend over a period of **Three years** under the Semester pattern.

5. Standard of Passing and Award of Division:

- a. Students shall have a minimum of 40% of the total marks of the University examinations in each subject. The overall passing minimum is 40% both in aggregate of Continuous Internal Assessment and external in each subject.
- b. The minimum marks for passing in each theory / Lab course shall be 40% of the marks prescribed for the paper / lab.
- c. A candidate who secures 40% or more marks but less than 50% of the aggregate marks prescribed for three years taken together, shall be awarded **THIRD CLASS**.
- d. A candidate who secures 50% or more marks but less than 60% of the aggregate marks prescribed for three years taken together, shall be awarded **SECOND CLASS.**
- e. A candidate who secures 60% or more of the aggregate marks prescribed for three years taken together, shall be awarded **FIRST CLASS**.
- f. Only Part-III subjects were considered for the ranking.
- g. The Practical / Project shall be assessed by the two examiners, by an internal examiner and an external examiner.

6. Continuous internal Assessment:

- a. Continuous Internal Assessment for each paper shall be by means of Written Tests, Assignments, Class tests and Seminars
- b. **25 marks** allotted for the Continuous Internal assessment is distributed for Written Test, Assignment, Class test and Seminars.
- c. One Internal Tests of 2 hours duration may be conducted during the semester for each course / subject and the best marks may be considered and one Model Examination will be conducted at the end of the semester prior to University examination. Students may be asked to submit at least five assignments in each subject. They should also participate in Seminars conducted for each subject and mark allocated accordingly.
- d. Conduct of the continuous internal assessment shall be the responsibility of the concerned faculty.
- e. The continuous internal assessment marks are to be submitted to the University at the end of every year.
- f. The valued answer papers/assignments should be given to the students after the valuation is over, and they should be asked to check up and satisfy themselves about the marks they have scored.

g. All mark lists and other records connected with the continuous internal assessments should be in the safe custody of the institution for at least one year after the assessment.

7. Attendance:

- Students must have earned 75% of attendance in each course for appearing for the examination.
- Students who have earned 74% to 70% of attendance to be applied for condonation in the prescribed form with the prescribed fee.
- Students who have earned 69% to 60% of attendance to be applied for condonation in the prescribed form with the prescribed fee along with the medical certificate.
- Pupils who have below 60% of attendance are not eligible to appear for the examination. They shall re-do the semester(s) after completion of the programme.

8. Examination:

The candidate must complete course duration to appear for the university examination. The examination will be conducted with the concurrence of Controller of Examinations as per the Alagappa University regulations. The University may send the representatives as the observer during examinations. University Examination will be held at the end of the semester for the duration of 3 hours for each subject. A certificate will be issued as per the AU regulations. Hall ticket will be issued to the 1st year candidates and upon submission of the list of enrolled students along with the prescribed course fee subsequent 2nd and 3rd year hall tickets will be issued.

9. Question Paper pattern:

Maximum: 75 Marks

Part A - Short answer questions with no choice

Part B - Brief answer with either or type

Part C- Essay - type questions of either or type

Duration: 3Hours

: 10 x 02=20

: 05 x 05=25

: 03 x 10=30

10. Miscellaneous

- a. Each student possesses the prescribed text books for the subject and the workshop tools as required for theory and practical classes.
- b. Each student is issued with an identity card by the University to identify his / her admission to the course
- c. Students are provided library and internet facilities for development of their studies.
- d. Students are to maintain the record of practical conducted in the respective laboratory in a separate Practical Record Book, and the same will have to be presented for review by the University examiner.
- e. Students who have successfully completed the course within the stipulated period will be awarded the degree by the University.
- f. The Internship / Project (any other viva-voce) where external examiner is assigned from the university, there may be changes in the exam dates as per the availability of the External Examiner.

11. Fee structure

Course fee shall be as prescribed by the University and 50% of the course fee should be disbursed to the University. Special fees and other fees shall be as prescribed by the Institution and the fees structure must intimated to the University. Course fees should be only by Demand draft / NEFT and AU has right to revise the fees accordingly.

Pattern	Course Fee payment deadline
Semester	Fee must be paid before 30th September of the academic year

12. Other Regulations:

Besides the above, the common regulation of the University shall also be applicable to this programme.

13. Industrial Exposure:

The course is professionally the students are required to undergo industrial exposure in the 6th Semester of the programme.6th Semester training is to introduce the students to the operational aspects of a Broiler, Breeder, Layer, Feed Mill, Hatchery and Processing Plant

SUGUNA INSTITUTE OF POULTRY MANAGEMENT UDUMALPET -642 207

ALAGAPPA UNIVERSITY Karaikudi

DIRECTORATE OF COLLABORATIVE PROGRAMMES

B.Sc., Poultry Science

Revised Regulations and Syllabus
[For those who join the Course in July 2023 and after]

SUGUNA INSTITUTE OF POULTRY MANAGEMENT UDUMALPET -642 207

Programme Educational Objectives (PEO):

PGO - 1	To start Under Graduate Degree Programme in the area of Poultry
	Production Technology
PGO - 2	To fulfill the skilled man power demand of the ever growing poultry sector
PGO - 3	To educate the rural youths in the area of better employment opportunities
PGO - 4	To meet out the demand in changing scenario in Agricultural sector through
	quality education
PGO - 5	To develop an entrepreneurs in the area of poultry production management

Programme Specific Objectives (PSO):

PSO - 1	Students will know all scientific information and advancements in the						
	discipline of Poultry Production Technology						
PSO – 2	Students acquire in-depth knowledge in the area of commercial poultry						
	operations and enable to become an entrepreneur / Researcher						
PSO - 3	Students will become an expert in poultry management, nutrition, breeding						
	and commercial chick production						
PSO - 4	Students gain relevant knowledge on various poultry disease control						
	measures along with farm biosecurity						
PSO - 5	Students may become the technically competent skilled technocrat in the						
	area of poultry production technology						

Programme Outcome (PO):

DO 4	A1 C 1 .11 1 1 1 1 1 1 C 1.
PO – 1	Acquire the fundamental knowledge and skills in the area of poultry
	production technology
DO 2	
PO – 2	Gain knowledge on the anatomy and Physiology of chicken along with chick
	production
PO - 3	Develop specialized knowledge and skills in commercial broiler chicken and
	table egg production
PO - 4	Acquire knowledge on the poultry breeding concepts and the production of
	commercial poultry
PO - 5	Gain information with various housing systems adopted in poultry
	production management
PO - 6	Know about the feeding systems and feed production of poultry
PO - 7	Aware on the poultry industry waste management and its mitigation
PO - 8	Gain knowledge on processing and value addition of poultry products
PO - 9	Able to assess the chicken and production economics and marketing
PO - 10	Understand the various poultry disease problem and its control measures

Programme Specific Outcome (PSO):

PO - 1	Students will understand the poultry industry role in the national
	development
PO – 2	Students gained relevant knowledge and skill on poultry production
	technology
PO - 3	Students will become an employee / employer in the area of boiler chicken
	and table egg production
PO - 4	Students will have specialized skill in the area of poultry management,
	breeding, feeding and technology; which is very helpful to get better
	employment
PO - 5	Students will become an expert in poultry disease diagnosis and its control
	measures

ALAGAPPA UNIVERSITY, KARAIKUDI NEW SYLLABUS UNDER CBCS PATTERN w.e.f.2023 -2024 B.Sc., POULTRY SCIENCE – PROGRAMME STRUCTURE

SEM	Dout	Course Code	Courses	es Title of the paper	T/D	Credit	Hrs/	Max. Marks								
SEM	Part		Courses		1/1	Credit	week	Int.	Ext.	Total						
	I	80111T/H/F/ M/TU/A/S	T/OL	Tamil / Other Languages - I	Т	3	4	25	75	100						
	II	80112	Е	General English-I	T	3	4	25	75	100						
		80113	CC	Poultry Production Systems, Housing and Automation	Т	5	5	25	75	100						
I	III	80114	CC	Practical in Poultry Housing Systems and Equipment	P	4	8	25	75	100						
	111	80115	Allied	Applied Avian Anatomy and Physiology	Т	3	3	25	75	100						
		80116	Allied	Practical in Avian Anatomy and Physiology	P	2	4	25	75	100						
	IV	8011 <mark>7</mark>	SEC - I	Value Education	T	2	<mark>2</mark>	<mark>25</mark>	<mark>75</mark>	100						
		T		Total		22	30	175	525	700						
	I	80121T/H/F/ M/TU/A/S	T/OL	Tamil / Other Languages - II	Т	3	4	25	75	100						
	II	80122	Е	General English-II	T	3	4	25	75	100						
	III	80123	CC	Poultry Nutrition and Feed Milling Technology	Т	5	5	25	75	100						
II		III	ш	111	ш	ш	ш	80124	CC	Practical in Poultry Nutrition and Feed Milling Technology	P	4	8	25	75	100
		80125	Allied	Incubation and Hatchery Management	Т	3	3	25	75	100						
		80126	Allied	Practical in Egg Incubation and Hatchery Management	P	2	4	25	75	100						
	IV	80127	SEC - II	Environmental Studies	T	2	2	<mark>25</mark>	<mark>75</mark>	100						
				Total		22	30	175	525	700						
	I	80131T/H/F/ M/TU/A/S	T/OL	Tamil / Other Languages - III	Т	3	4	25	75	100						
	II	80132	Е	General English-III	T	3	4	25	75	100						
		80133	CC	Principles of Poultry Breeding	T	3	3	25	75	100						
		80134	CC	Breeder Chicken Management	T	3	3	25	75	100						
	III	80135	CC	Practical in Principles of Poultry Breeding and Breeder Chicken Management	P	3	6	25	75	100						
		80136	Allied	Climatology and Poultry Production	Т	3	3	25	75	100						
III		80137	Allied	Practical in Climatology and Poultry Production	P	2	3	25	75	100						
		80138	SEC- III	Entrepreneurship	T	2	<mark>2</mark>	<mark>25</mark>	<mark>75</mark>	100						
				1.Adipadai Tamil/	P											
	IV	80139A 80139B	NME – I	2.Advance Tamil,	T	_		2.5	7.5	100						
		80139C		3. Skills for Employment	T	2	2	<mark>25</mark>	75	100						
							4. MOOC'S	T								

				Total		24	30	225	675	900	
	I	80141T/H/F/ M/TU/A/S	T/OL	Tamil / Other Languages - IV	Т	3	4	25	75	100	
	II	80142	Е	General English-IV	T	3	4	25	75	100	
		80143	CC	Commercial Broiler Chicken Production Management	T	4	4	25	75	100	
		80144	CC	Poultry diseases, Flock Health and Biosecurity	T	4	4	25	75	100	
IV	III	80145	CC	Practical in Broiler Management and Poultry Diseases	P	3	5	25	75	100	
1 V		80146	Allied	Poultry Processing and Waste Management	T	3	3	25	75	100	
		80147	Allied	Practical in Poultry Processing and Waste Management	P	2	4	25	75	100	
				1. Adipadai /	P						
	IV	80148A	NME –	2. Advance Tamil /	T			25	<mark>75</mark>	100	
		80148B 80148C	II II	3. Small Business Management	T	2	2				
		001100		5. Small Business Wanagement							
				4. MOOC'S	T						
				Total		24	30	200	600	800	
	Ш	80151	CC	Commercial Layer Chicken Production Management	T	4	4	25	75	100	
		80152	CC	Poultry Production Economics and Marketing	T	4	4	25	75	100	
		80153	CC	Poultry Products Technology and Value Addition	T	4	4	25	75	100	
		80154	CC	Diversified Poultry Production	T	4	4	25	75	100	
V		III	80155	CC	Practical in Commercial Layer Management and Poultry Economics and Marketing	P	4	6	25	75	100
			80156	CC	Practical in Poultry Products Technology and Diversified Poultry Production	P	4	6	25	75	100
				Career Development / Employability skills			2				
				Total		24	30	150	450	600	
VI	III	80161	DSE	Internship	I	24	30	150	250	400	
				Total		24	30	150	250	400	
				Grand Total		140	180	1075	3025	4100	

T - Theory Theory 1credit = 1 hour for Theory Paper / week
P - Practical Practical 1credit = 2 hours for Practical Paper / week
Minimum Credit load for B.Sc., Poultry Science programme = 140 +

MIL - Modern Indian Language, E – English

- CC-Core course Core competency, critical thinking, analytical reasoning, research skill and team work
- ➤ Allied / GEC Exposure beyond the discipline
- ➤ SEC- Skill Enhancement Course Exposure beyond the discipline (Value Education, Entrepreneurship Course, Computer application for Science, etc.,
- NME Non Major Elective Exposure beyond the discipline
- ➤ DSE Discipline specific elective Additional academic knowledge, critical thinking, and analytical reasoning Student choice either Internship or Theory papers or Project +2 theory papers.
- ➤ If internship Marks = Internal (150 (75+75) two midterm evaluation through Viva voce + Report 150+ External Viva voce 100 = 400,
- ➤ If Project Marks = Internal 25 + Thesis -+ Viva voce = 75 = 100 and + 3 theory paper = 300 = 400
- Extension activity and MOOCs Voluntary basis

Course Structure for B.Sc., Poultry Science Programme

			Se	emester I						
CC/DSE/NI	ME/SEC/Tan	nil	·	Tamil		Credits	H/W	T/P		
Course Code: 80111T			தமிழ் இல	க்கியவர	லாறு - 1	3	4	T		
Objecti ves	- $ -$									
Unit - I	இலக்கணம்; அ.தொல்காப்பியம், இறையனார் களவியல் உரைநம்பியகப் பொருள், புறப்பொருள் வெண்பாமாலை, நன்னூல், தண்டியலங்காரம், யாப்பருங்கலக்காரிகை- நூல்கள் ஆ.மொழிப்பயிற்டு-ஒற்றுப்பிழைதவிர்த்தல் வல்லினம்மிகும் இடங்கள் வல்லினம்மிகா இடங்கள் வல்லினம்மிகா இடங்கள் ஒருஓர்வரும் இடங்கள் ஒருஓர்வரும் இடங்கள் அது, அஃதுவரும் இடங்கள் தான், தாம்வரும் இடங்கள் பயிற்டு: வல்லினம்மிகும்இடங்கள் பயிற்டு: வல்லினம்மிகும்இடங்கள் பயிற்டு: வல்லினம்மிகும்இடங்கள் வகையில் ஒரு பத்தி கொடுத்து ஒற்றுப்பிழை திருத்தி எழுதச்செய்தல் 2.சங்க இலக்கியம் - எட்டுத்தொகை, பத்துப்பாட்டு 3.அறஇலக்கியம் பதினெண்கீழ்கணக்கு நூல்கள் 4.காப்பிய இலக்கியம் - ஐம்பெருங்காப்பியங்கள், ஐஞ்டுறுகாப்பியங்கள், சமயக்காப்பியங்கள் 5.பக்தி இலக்கியமும் (பன்னிருதிருமுறைகள், நாலாயிரதிவ்வியப்பிரபந்தம் – பகுத்தறிவு இலக்கியமும்									
Unit - II	\ (சித்தர் இலக்கியங்கள், புலவர் குழந்தையின் இராவண காவியம்) சங்க இலக்கியம் எட்டுத்தொகை: 1.நற்றிணைமுதல்பாடல் -நின்றசொல்லர் 2.குறுந்தொகை 3 ஆம்பாடல் -நிலத்தினும்பெரிதே 3.ஐங்குறுநூறு-நெல்பலபொலிக! பொன்பெரிதுசிறக்க! (முதல்பாடல்) வேட்கைப்பத்து. 4.கலித்தொகை 51 அடர்த்தொடீஇக்கேளாய்குறிஞ்சிக்கலி 5.புறநானுறு -189 தெண்கடல்வளாகம்பொதுமையின்றி, நாடாகொன்றோ 187 பத்துப்பாட்டு, 1.முல்லைப்பாட்டு (முழுவதும்)									
Unit -	அறஇலக்	வயக	1							

III	1.திருக்குறள் -அறன்வலியுறுத்தல்அதிகாரம்
	2.நாலடியார்-பாடல்: 131 (குஞ்சியழகும்)
	3.நான்மணிக்கடிகை-நிலத்துக்குஅணியென்ப
	4.பழமொழி நானூறு தம்நடைநோக்கார்
	5.இளியவைநாற்பது 37. இளமையைமூப்புஎன்று
	காப்பியஇலக்கியம்
	1.சிலப்பதிகாரம் - வழக்குரைகாதை
Unit -	2. மணிமோலை பாத்திரம்பெற்றகாதை
IV	3 பெரியபுராணம் - பூசலார்நாயனார்புராணம்
1 V	4. கம்பராமாயணம்குகப்படலம்
	5. சீறாப்புராணம்- மானுக்குப்பீணைநின்றபடலம்
	6. இயேசுகாவியம் -ஊதாரிப்பிள்ளை
	பக்திஇலக்கியமும், பகுத்தறிவுஇலக்கியமும்
	பக்திஇலக்கியம்
	1. திருநாவுக்கரசர்தேவாரம் –
	நாமார்க்கும்குடியல்லேம்எனத்தொடங்கும்பாடல்மட்டும்
	2. மாணிக்கவாசகர்திருவாசகம் –
	நமச்சிவாயவாஅழ்கநாதன்தான்வாழ்கமுதல்சிரம்குவிவார்ஓங்குவிக்கும்
	சீரோன்கழல்வெல்கவரை.
	3. பொய்கையாழ்வார்-வையந்தகளியாவார்கடலே
Unit - V	4. பூதத்தாழ்வார்-அன்பேதகளியா
OIIIt - V	5. பேயாழ்வார்-திருக்கண்டேன்பொன்மேனிகண்டேன்
	6. ஆண்டாள் - திருப்பாவைமார்கழித்திங்கள் (முதல்பாடல்)
	பகுத்தறிவுஇலக்கியம்;
	திருமூவர் - திருமந்திரம் (270,271, 274, 275285) * பட்டினத்தார்-
	திருவிடைமருதூர் (காடேதிரிந்து - எனத்தொடங்கும்பாடல்
	பா.எண 279 280) கடுவெளிசித்தர்பாபஞ்செய்யாதிருமனமே
	(பாடல்முழுவதும்) இராவணகாவியம் - தாய்மொழிப்படலம் 18.
	எடுகையில்லாரில்லைமுதல் 22
	செந்தமிழ்வளர்த்தார். வரை
Doforone	2001

References:

- மு. வரதராசன், தமிழ் இலக்கிய வரலாறு, சாகித்யஅக்காதெமி,
- புதுடெல்லி...
- மது.ச.விமலானந்தன், தமிழ் இலக்கியவரலாறு,
- மீளாட்சிபுத்தகநிலையம், மதுரை.
- தமிழண்ணல், புதிய நோக்கில் தமிழ் இலக்கிய வரலாறு,
- மீனாட்சி புத்தக நிலையம், மதுரை.
- தமிழ் இலக்கிய வரலாறு -முனைவர்சிற்பிபாலசுப்ரமணியம்,
- முனைவர்.சொசேதுபதி.
- புதிய தமிழ் இலக்கியவரலாறு- முனைவர் சிற்பி பாலசுப்ரமணியம்,
- நீல.பத்மநாபன்.
- தமிழ் இலக்கியவரலாறு டாக்டர்.அ.கா.பெருமான்.
- தமிழ் இலக்கியவரலாறு-முனைவர்ப.ச.ஏசுதாசன்
- தமிழ் இலக்கியவரலாறு முகுமார்
- வகைமை நோக்கில் தமிழ் இலக்கிய வரலாறு-பாக்கிய மேரி
- தமிழ் பயிற்றும் முறை, பேராசிரியர் நசுப்புரெட்டியார் –
- மணிவாசகர் பதிப்பகம், சிதம்பரம்

Outco > சங்க இலக்கியத்தில் காணப்பெறும் வாழ்வியல் சிந்தனைகளை

me:	அறிந்துகொள்வர்.
	🕨 அற இலக்கியம் மற்றும் தமிழ்காப்பியங்களின் வழிவாழ்வியல்
	சிந்தனையைப்பெறுவர்.
	🕨 பக்தி இலக்கியங்களைக் கற்பதன் மூலம்பக்தி நெறியினையும்,
	பகுத்தறிவு இலக்கியங்களைக் கற்பதன் வழிநல்லிணக்கத்தையும்
	தெரிந்துபின்பற்றுவர்.
	🕨 மொழியறிவோடுசிந்தனைத்திறனைப்பெறுவர்.
	> மொழிப்பயிற்சிக்குத்தேவையானஇலக்கணங்களைக்கற்பர்.

		Semester I						
Tamil / OL		Hindi C	Credits	H/W	T/P			
Course	80111H	हिन्दीकासामान्यज्ञानऔरव्याकरण	3	4	T			
Code:								
Objectives	-	यादीज्ञानकेसाथ-साथहिन्दीउच्चारणकाप्रशिक्षणदेना						
	2.वाक्यरचना							
	3.गद्यांशकापट							
Unit - I	बुनियादीहिन्द	ो : * स्वर * व्यंजन * बारहखडी –*शब्द*वाक्यरचना						
Unit - II		ती: *रिश्तोंकेनाम *घरेलूपदार्थोंकेनाम						
Unit - III		* साधारणवाक्यऔरसंज्ञा * सर्वनाम * विशेषण * क्रिया						
Unit - IV	छोटेगद्यांशक	ापठन : * बच्चोंकीकहानियाँ * पत्र-पत्रिकाओंमेंप्रकाशित						
	गद्यांशकापठन							
Unit - V	निबंध : * संर्ता	तेरुवल्लुवर * ईवेरातंदैपेरियार * नारीशक्तिकरण * पर्यावरण नप्रतियोगीपरीक्षाओंकेबारेमेंजानकारीदेना	संरक्षण					
	* विभिन	[नप्रतियोगीपरीक्षाओंकेबारेमेंजानकारीदेना						
References	: 1. हिन्दीकेअ	व्ययवाक्यांश - चतुर्भुजसहाय						
2.	सुबोधहिन्दीव्य	ाकरण – फ़ूलचंदजैन						
3.	सक्षिप्तहिन्दीव	याकरण -कामताप्रसाद						
	व्यवहारिकहिन							
5.	अभिनवहिन्दी	व्याकरन – नागप्पा						
6.	व्याकरणप्रदीप	r – रामदेव						
7.	लघुबालकथाएँ	– रमाशंकर						
		नियाँ - प्रेमचंद						
		rammar of the Hindi Language - H.C Scholb	erg					
		mmar - Edwin Greaves	J					
Outcome:	1. हिर्न्द	ध्वनियोंसेपरिचयकराना						
		मिंवाक्यरचना -						
	, ,	शब्दावलियोंकाज्ञान-ग्रहण						
	4. कहानियोंवअन्यगद्यांशोंकापठन							
		गेगीपरीक्षापरआधारितनिबंधोंद्वाराभाषा						
		मताबढानेवालेप्रशिक्षणकार्य						
	नगपा	ירוידו וארות ואור וארוויי						

		Semester I						
CC/DSE/NN OL / E	ME/ SEC/ T /	English	Credits	H/W	T/P			
Course Code:	80112	General English - I	3	4	T			
Objectives	in various 2. To help 3. To assis	le learners to acquire self-awareness and is life situations. them acquire the attribute of empathy them in acquiring creative and critical them.	•	C	required			
	5. To assis	le them to learn the basic grammar t them in developing LSRW skills						
Unit - I	Self-Awareness (WHO) and Positive Thinking (UNICEF) Life Story 1.1 Chapter1 from Malala Yousafzai,Iam Malala 1.2 An Autobiography or The Story of My Experiments with 1.3 Truth(Chapters1,2&3) M. K. Gandhi Poem 1.3WheretheMind is Without Fear– Gitanjali 35– Rabindranath Tagore 1.4 Love Cycle–Chinua Achebe							
Unit - II	2.2 Alice Fe Short Story 2.3 The Sch	old Medals–David Roth ll or poverty–William Wordsworth nool for Sympathy–E.V.Lucas ning– William Faulkner						
Unit - III	Poem 3.1 The Thir 3.2 Stopping Readers The 3.3 The Mag Stories on S	Creative Thinking Ings That Haven't Been Done Before–Edg By the Woods on a Snowy Evening–Rob Peatre Gic Brocade–A Tale of China Stage – Aaron Shepard (Three Side was ouis Sachar)	pert Frost	s from \	Vayside			
Unit - IV	Part of Spee 4.1 Articles 4.2 Noun 4.3 Pronoun 4.4 Verb 4.5 Adverb 4.6 Adjective Preposition	ch						
Unit - V	Paragraph a 5.1 Descripti 5.2 Exposito 5.3 Persuasiv 5.4 Narrative	ry ve						

References

Text books (Latest Editions)

MalalaYousafzai. I am Malala, Little, Brown and Company, 2013.

M.K. Gandhi. An Autobiography or The Story of My Experiments with Truth (Chapter – I), Rupa Publications, 2011.

Rabindranath Tagore. "Gitanjali 35" from Gitanjali (Song Offerings): A Collection of Prose Translations Made by the Author from the Original Bengali.

MacMillan, 1913.

N.Krishnasamy. Modern English: A Book of Grammar, Usage and Composition Macmillan, 1975.

Aaron Shepard. Stories on Stage, ShepardPublications, 2017.

J.C. Nesfield. English Grammar Composition and Usage, Macmillan, 2019.

Web Resources

MalalaYousafzai. I am Malala (Chapter 1) https://archive.org/details/i-am-malala

M.K Gandhi. An Autobiography or The Story of My Experiments with Truth(Chapter-1)-

Rupa Publication, 2011 https://www.indiastudychannel.com/resources/146521- Book-Review-An-Autobiography-or-The-story-of-my-experiments-with- Truth.aspx

Rabindranath Tagore. "Gitanjali 35" from Gitanjali Offerings) (Song https://www.poetryfoundation.org/poems/45668/gitanjali-35

Aaron Shepard. Stories on Stage, Shepard Publications, 2017https://amzn.eu/d/9rVzlNv

Manual JC Nesfield. of English Grammar and Composition. https://archive.org/details/in.ernet.dli.2015.44179

Outcome: On completion of this course, students will: 1. Acquire self -awareness and positive thinking required in various life situations

- 2. Acquire the attribute of empathy.
- 3. Acquire creative and critical thinking abilities.
- 4. Learn basic grammar
- 5. Development and integrate the use of four language skills i.e., listening, speaking, reading and writing.

		Semester I							
CC/DSE/NM	E/ SEC	Core Course		Credits	H/W	T/P			
Course	80113	, , , , , , , , , , , , , , , , , , , ,							
Code:		Automation							
Objectives	1. To understa	1. To understand the existing various poultry production system							
	2. To impart l	knowledge on the requirements of poultry	rearin	g system					
		n the construction of different housing sys							
		in depth knowledge on the equipment for							
	5. To introduc	ce the importance of automation in poultry	y prodi	uction					
Unit - I		oultry Rearing:							
	Poultry produ	action terminology - Systems of poultry	rearing	g - Backya	rd system	- Semi -			
		tem - Intensive system of poultry rear							
		ganic poultry production system- All in A			•	•			
		ing systems - Floor space - Watering a	and Fe	eding spac	e requiren	nents for			
		groups of poultry							
Unit - II	Poultry Farm	O							
		location - Macro and Micro environme							
		tance of poultry housing and equipment	– Pou	ltry Farm 1	Plan and	Layout -			
		of poultry house							
Unit - III	Poultry Hou								
		ng systems - Open sided house - Deep li							
		and Raised platform cage houses - E							
		damentals of ventilation – Tunnel and Du				g - Litter			
		oof types and Roofing materials – Insulat	ion ma	iterials – R	Value				
Unit - IV		n Equipment:	1.0		((4 22)				
		s of cages – Conventional, Californian an							
		ges - Flat deck cages - Furnished cages -							
		ipment – Nest box – Egg Filler flats - Du							
		- Curtains - Foggers and sprinklers							
		AI equipment - Sprayers – Shovels and F	Cacks -	- veninato	rs and exn	aust rans			
Unit - V	- Flame gun Automation:								
omt - v		- Concept and applications of automation	in nou	ltry produc	otion Aug	tomotion			
		ousing – Automation in feeding and was							
		nd egg grading system – Automation							
		n feed production- Automation in Hatch							
	and Meat Pro		ici y Of	cianon – I	automano.	п ш Едд			
Defenence on	d Text books	ccssing							

Reference and Text books:

Hurd M. Louis, 2003. *Modern Poultry Farming*. 1st Edition. International Book Distributing Company, Lucknow

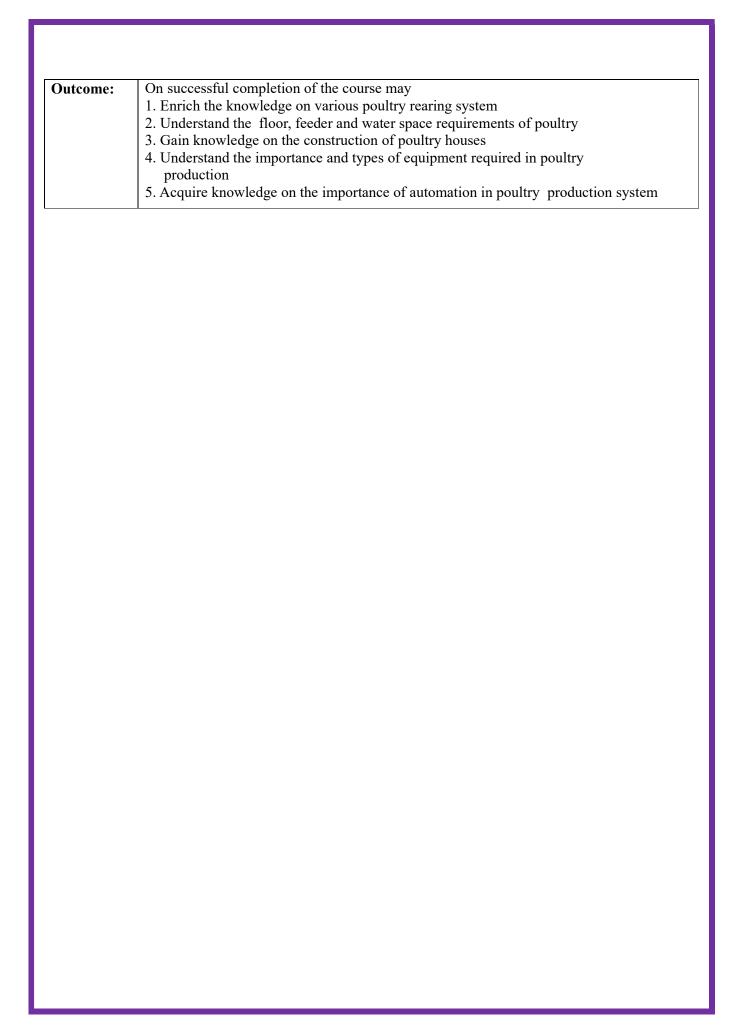
Mountney J. George and Parkhurst R. Carmen, 2001. *Poultry Products Technology*. 1st Edition. The Harwoth Press Inc., USA.

Narahari D., and Kumararaj R., 2008. *Handbook of Applied Broiler Production*. 1st Edition. Poultry Punch Publication (I) Pvt. Ltd., New Delhi, India.

Sreenivasaiah., P. V., 2015. Textbook of Poultry Science. 1st Edition. Write & Print Publications, New Delhi

Jull A. Morley, 2007. Successful Poultry Management. 2nd Edition. Biotech Books, New Delhi.

Jadhav N. V., and Siddique M. F., 2007. *Handbook of Poultry Production and Management*. 2nd Edition. Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi.



		Se	nester I				
CC/DSE/NN	ME/ SEC	Cor	e Course		Credits	H/W	T/P
Course Cod	e: 80114	Practical in Pou	try Housing	Systems	4	8	P
		and Equipment					
Objectives		and the existing var					
		knowledge on the va					
		n the construction of		~ .			
		e in depth knowledge					
1		ce the importance ar			ion in poul	try produ	iction
1.		r and Water Space re					
2.		gn and Construction					
3.	•	ign and Construction		ise			
4.		ges, Specification an					
5.		als and its Managen	ent				
6.	Brooding Eq		1,				
7.		ders and Drinkers fo					
8.		Dubbing, Vaccinating	equipment				
9.	Visit to Deep						
10.	Visit to Cage						
11		ed floor house	1 T T				
12.		ronmentally Control	ed House				
13.	Visit to Feed		. 1 .				
14.		ry Egg and meat Pro	cessing plant				
15.	Visit to a Ha		.1 . 1				
Outcome:		ompletion of the cou	*	•			
		he knowledge on va				1+	
		d the floor, feeder a				шту	
		the knowledge on the day of the day of the day of the importance and the day of the day				aultes:	
	production	*	types of equi	ւթուշու requ	med for po	outu y	
		l awareness and imp	ortance of auto	omation in	noultry		
	production		mance of aut		pounty		
	production	1 5 5 5 5 5 111					

		Semester I						
CC/DSE/NN	ME/ SEC	Allied Course	Credits	H/W	T/P			
Course Code:	80115	Applied Avian Anatomy and Physiology	3	3	T			
Objectives		awareness on the physiological standards of		es				
		t knowledge on the external anatomy of chick						
		t knowledge on respiratory and circulatory sy						
	4. To provide in depth knowledge on digestive and reproductive system							
		the scientific knowledge on Chicken egg for	mation					
Unit - I	External A		1 6 1	1 5	, 1			
		n - Terminology - Classification and bree						
		Integumentary parts of chicken - Feather parts of chicken - Role of skin, Feather, Scales,						
	in poultry	of the chicken - Role of Skin, Feather, Scales,	maiis, riu	mage am	и Беак			
Unit - II		y and Circulatory System:						
Cint II		y system - Anatomical structures - Nasal	cavity.	larynx, S	Svrinx			
		ronchi, Lungs, Air sacs and its function -	•	•	•			
		irculatory system - Structure, Functions of hea						
	-	ments of blood	, ,,					
Unit - III	Skeletal an	d Excretory System:						
		ystem - Different types of bones - Pneuma						
		Fused, Wing and Limb bones - Excretory s	ystem - Re	ole of k	Kidney,			
		Cloaca – Muscular system of chicken						
Unit - IV	Digestive and Reproductive System:							
		system - Anatomical structure and its function						
		Semale reproductive system - Structure and i	ts function	- Physiol	logy of			
TI		tion - Egg structure and its composition						
Unit - V		nd Endocrine System: ystem - Endocrine system - Immune systen	Dofini	ion Di	fforant			
		its Functions - Bone marrow, Bursa of Fabr						
		een and Gut Associated Lymphoid Tissues						
	poultry beh							
	stress and a	1 .		1 11 / 2101	08) 01			
Reference a	nd Text book	*						
Sathapathy S	S., Singh M. I	K., and Joshi S. K., 2015. A Handbook on An	atomy & I	Physiolog	gy of			
		rds. Sathish Serial Publishing House, New Del						
Ensmiger. N	M. E., 2015.	Poultry Science. 3rd Edition. International	l Book D	istributio	n Co.,			
Lucknow, In	dia.							
		eaver D. William Jr., 2007. Commercial	Chicken	Meat an	d Egg			
		pringer India Pvt. Ltd., Noida.						
		y Production. 3rd Edition. Kalyani Publishers		nı.				
Outcome:		ful completion of the course, the students ma	У					
		nd the Avian Anatomy and Physiology						
		in depth knowledge on Digestive system						
		knowledge on Reproductive system	111tex7					
		and the external parts and its importance in po	-	.m				
	J. Gain Kno	owledge on the functions of Nervous and Endo	cime syste	111				

		Semester I								
CC/DSE/NI SEC	ME/	Allied Course	Credits	H/W	T/P					
Course	80116 Practical in Avian Anatomy and Physiology 2									
Code:										
Objectives	1. To cre	1. To create awareness on the breeds of chicken								
		part knowledge on the anatomy of poultry								
		derstand the normal physiological standards of ch								
	_	ovide in depth knowledge on Digestive and reprod	•	n						
		eate the scientific knowledge on egg and meat product	luction							
1.		classification and Breeds of chicken								
2.	Types of									
3.	Normal	physiological value of chicken								
4.	Differen	t types of feather and its function								
5.	Skeletal	System of fowl								
6.		e System of fowl								
7.		d Female reproductive system of fowl								
8.		on of egg								
9.	Egg stru	cture and its composition								
10.	Immune	system of fowl								
Outcome:	On Succ	essful completion of the course, the students may								
	1. Under	stand the Avian Anatomy and Physiology								
	2. Acqui	red in depth knowledge on Digestive system								
		oped knowledge on egg formation and its compos								
		stand the external parts and its importance in pour	•							
	5. Create	ed awareness on the physiological standards of chi	cken							

		Semester I					
CC/DSE/NM	E/ SEC/ T /	SEC	Credits	H/W	T/P		
OL/E							
Course Code		Value Education	2	2	T		
Objectives	1. To impart humanism values among the student under various religious the						
		ake them awareness of ethics and civil right					
		miliarities the students with basic features o					
	NSS value	and NCC and relevance of Abdul Kalam and	1 Mother 1	eresa emorts	to teach		
		s apart skills by preparing project works such	ac writing r	noems and s	tories		
	4. 10 m	ipart skins by preparing project works such	as writing p	ocilis alia s	iories		
Unit - I		Need for Value Education – How Important					
		stic Movement in the World and in India - r Various Religions Like Hinduism, Buddhi					
		es for Teaching Value Education in India -		•			
	Value	25 for reaching value Education in mala -	- Ivationai	ixesource C	chire for		
		NCERT– IITS and IGNOU.					
Unit - II	Vedic Period						
	Influence of	Buddhism and Jainism - Hindu Dynastic	es – Islam	Invasion -	Moghul		
	Invasion – E	British Rule – Culture Clash – Bhakti Cult	 Social Re 	eformers – (Gandhi –		
		kananda – Tagore – Their Role in Value Edu	cation.				
Unit - III		s – After Independence:					
		e – Democracy – Equality – Fundamental I					
		ial, Economic, Political, Religious and E					
	-	itics Without Principle—Commerce Without Humanism—Wealth Without					
		Prayer Without Sacrifice—Steps Taken by T					
		emove Disparities on the Basis of Class, Cre			trar arra		
Unit - IV		ation on College Campus:	,				
		om School to College – Problems –Control	– Free Atm	osphere – F	reedom		
		License – Need for Value Education – Way					
		- Extra-Curricular Activities - N.S.S., N.C.		ctivities–Re	levance		
		Abdual Kalam's Effortsto Teach Values–M	other				
T. 1. T.	Teresa.						
Unit - V	Project Won		Navra		mola amil		
	Magazii	ng Details about Value Education fro	m Newspa	apers, Journ	nais and		
	_	Poems, Skits, Stories Centering on Value-E	rosion in Sa	ociety			
		ng Personal Experience in Teaching Values.		sciety.			
		ing Solutions to Value –Based Problems on		S.			
References	66		1				

Chakrabarti, M. (1997). Value education: changing perspectives. Kanishka Publishers.

Eknath Ranade (1991). Swami Vivekananda's Rousing Call to Hindu Nation. Centenary PublicationKarabi Kakoti, ValueEducation – Need of the Hour.

Radhakrishnan, S. (1968). Religion and culture. Orient Paperbacks, New Delhi

Saraswathi, T.S. (Ed.). (1999). Culture, socialization and human development:

Theory, research and applications in India. SAGE Publications Pvt. Limited.

Satchidanand	a, M. K. (1991). Ethics, education, Indian unity and culture. Ajanta Publications, Delhi.							
Venkataiah,N	Venkataiah, N. (Ed.). (1998). Value education. APH Publishing, New Delhi.							
Outcome:	After studied, the student will be able to							
	1. Knowledge about Humanism and Humanistic Movement in the World and in							
	India							
	2. Understand the Social Reformers and Their Role in Value Education							
	3. Explore the theories of Fundamental Duties, Ethics, Extra-Curricular Activities –							
	N.S.S.,N.C.C							
	4. Know the concept of Value Education on College Campus, Project Work							
	regarding							
	5. Writing Poems, Skits, Stories Centering on Value- Erosionin Society							

		Semester I	I			
CC/DSE/NME	/ SEC/ Tamil	Tamil		Credits	H/W	T/P
Course Coo	le: 80121	T தமிழ்இலக்கியவ	ரலாறு-2	3	4	Т
Objectives	றிமுக ● தமிழ் இலக் தூண் ● தமிழ்	ாமாண்டுப்பட்டவகுப்புமாண ம்செய்தல். இலக்கியப்போக்குகளையும், கணங்களையும்மாணவர்அறி டுதல். இலக்கியம்சார்ந்தபோட்டித்தே கொள்ளுதல்.	யுமாறுசெய்த <u>ு</u>	அவர்களின்ப	படைப்பா <u>ர</u> ்	றைலைத்
Unit - I	1.சிற்ற தூது,2.தனி3.இக்	இலக்கியவரலாறுஅறிமுகம் . றிலக்கியம்; குறவஞ்சி, கலம் அந்தாதி. ப்பாடல்அறிமுகம் காலஇலக்கியம்கவிதை, பிடஇயக்கம்வளர்த்ததமிழ்.	பகம், உலா, ட சிறுகதை,	பரணி, பள்ளு நாடகம்,		ாத்தமிழ் _. ரைநடை
Unit - II	 சிற்றி கலிங் விருந் ன் – எ திருக்க முக்க அபிர திருவ பேசன தமிழ் தனிப் *வான் *ஆமன் டீகா *இப்ப 	லக்கியக்கமும்,தனிப்பாடலும் லக்கியம் கத்துபரணி. தினரும்வறியவருநெருங்கியுள் வரை. குற்றாலக்குறவஞ்சி - வாளரங் டற்பள்ளு - ஆற்றுவெள்ளம்ற ரங்கக்கலம்பகம் - வந்ததூதசெல்லரித்தஓலைசென விடுதூதுமுதல்பத்துகண்ணிக பாடல்; எகுருவிபின்கூடு - ஔவையா ணக்குக்கும்யானைக்கும்சிலே எளமேகப்புலவர்.	ண்ணரும்முதல் பகள்கனிகொடு நாளைவரத். யும்குறையாதவ மறம் -ம ல்லுமோ ள். டைமுத்திருக்கு	த்து. வயதும் (பதில பின்னைப்பெ ம்கொம்பகை	னாறுசெல் பருமாள்ஐ	வங்கள்) யங்கார்-
Unit - III	இக்காலஇலக் 1. பாரதியார்ப 2. பாரதிதாசன்					

4. தமிழ்ஒளி - மீன்கள் (அந்திநிலாபார்க்கவா). 5. ஈரோடுதமிழன்பன் - எட்டாவதுசீர் (வணக்கம்வள்ளுவ). சிறுகதைகள்... 1. புதுமைப்பித்தன் – கடிதம். 2. ஜெயகாந்தன் -வாய்ச்சொற்கள் (மாயைபயக்கம்தொகுப்பு). 3. ஆர்சூடாமணிஅந்நியர்கள். உரைநடை: 1. மு.வகடிதங்கள் - தம்பிக்குநூலில்முதல்இரண்டுகடிதங்கள். இக்காலஇலக்கியம்-2 1.தந்தைபெரியார் - திருக்குறன்(மாநாட்டு) உரை 2.பேரறிஞர்அண்ணா-இரண்டாம்உலகத்தமிழ்மாநாட்டுஉரை 3.கலைஞர்மு. கருணாநிதி - தொல்காப்பியபூங்கா -எழுத்து -முதல்நூற்பாகட்டுரை. நாடகம் / திரைத்தமிழ் Unit - IV 1.வேலைக்காரி –திரைப்படம். 2.ராஜா ராணி -சாக்ரடீஸ் -ஓரங்க நாடகப் இதழியல் தமிழ் : முரசொலி கடிதம் 1. செம்மொழி வரலாற்றில் சில செப்பேடுகள். பொழிப் பயிற்சி சொல் வேறுபாடு / பிழை தவிர்த்தல் வாசிப்பது- வாசிப்பவர் சுவர்-சுவரில் வயிறு வயிற்றில் கோவில்-கோவில் கறுப்பு கருப்பு இயக்குநர்-இயக்குனர் சில்லறை சில்லரை முறித்தல் – முரித்தல் Unit - V மனம்-மளக- மனது அருகில்-அருகாமையில் அக்கரை அக்கறை மங்கலம்-மங்களம். பயிற்சி பிழையான சொற்களை ஒரு பத்தியில் கொடுத்து அந்தப் பிழையான சொற்களைச் சரியாகஎழுதச் செய்தல். ஆங்கிலத்தில் சிறிய அதனைத் பத்தி ஒன்றை கொடுத்து தமிழில் மொழிபெயர்க்க வைத்தல்.

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- மது.ச.விமலானந்தன், தமிழ்இலக்கியவரலாறு, மீளாட்சிபுத்தகநிலையம், மதுரை.
- தமிழண்ணல், புதியநோக்கில்தமிழ்இலக்கியவரலாறு, மீனாட்சிபுத்தகநிலையம், மதுரை.

- தமிழ்இலக்கியவரலாறு -முனைவர்சிற்பிபாலசுப்ரமணியம், முனைவர்.சொசேதுபதி.
- புதியதமிழ்இலக்கியவரலாறு- முனைவர்சிற்பிபாலசுப்ரமணியம், நீல.பத்மநாபன்.
- தமிழ்இலக்கியவரலாறு டாக்டர்.அ.கா.பெருமான்.
- தமிழ்இலக்கியவரலாறு-முனைவர்ப.ச.ஏசுதாசன்
- தமிழ்இலக்கியவரலாறுஸ்ரீகுமார்
- வகைமைநோக்கில்தமிழ்இலக்கியவரலாறு-பாக்கியமேரி

தமிழ்பயிற்றும்முறை, பேராசிரியர்நசுப்புரெட்டியார் - மணிவாசகர்பதிப்பகம், சிதம்பரம்

Outcome:

- 1. சிற்றிலக்கியங்களின்வழிஇலக்கியச்சுவையினையும்பண்பாட்டுஅறிவினையும்பெறு வர்.
- 2. புதுக்கவிதைவரலாற்றினைஅறிந்துகொள்வர்.
- 3. திராவிடஇயக்கஇலக்கியங்களைக்கற்பதன்மூலம்மொழிஉணர்வுஉணர்வு, சமத்துவம்சார்ந்தசிந்தனைகளைப்பெறுவர்.
- தமிழ்மொழியைப்பிழையின்றிஎழுதவும்,
 புதியகலைச்சொற்களைஉருவாக்கவும்அறிந்துகொள்வர்.
- 5. போட்டித்தேர்வுகளில்வெற்றிபெறுவதற்குத்தமிழ்ப்பாடத்தினைப்பயன்கொள்ளும்வ கையில்பயிற்சிபெறுவர்.

		Semester II					
Tamil / OL							
Course	80121H	कहानी, एकांकीऔरव्याकरण	3	4	T		
Code:							
Objectives		कथासाहित्यसेपरिचयकराना					
	2. कहार्रि	नेयोंवएकांकिकेमाध्यमसेसामाजिकमूल्योंकापाठन	Ŧ				
		रणकाव्यावहारिकप्रयोग					
Unit - I	हिन्दीकथा-स	गहित्यपरिचय : * कहानीकेतत्व * हिन्दीकेप्र	<u> मुखकहानी</u>	कारोंकापि	रेचय *		
	एकांकीकेतत्व	। * हिन्दीकेप्रमुखएकांकीकारोंकापरिचय					
Unit - II	हिन्दीकहानि	याँ : * प्रेमचंद – बडेघरकीबेटी * मालतीजोशी : '	वोतेराघरयह	मेराघर	*		
	पिता – ज्ञानरं	जन					
Unit - III	हिन्दीएकांर्क	: * लक्ष्मीकास्वागत * विभाजन – विष्णुप्रभाकर	* माँ-बाप -	श्रीविष्णु			
Unit - IV	व्याकरण	: * क्रियाविशेषण * संबंधबोधक	* स	मुच्चयबोधव	p *		
	विस्मयादिबोध	ाकआदिशब्दोंकाप्रयोग		•			
Unit - V	प्रतियोगीपरी	क्षापरआधारित : * तमिलभाषा -	- महाक	विभारतिया	₹ *		
	संकेतविकास	द्वारालेखनकलाऔरकहानीलेखन * गद्यांश	देखकरसही	शीर्षकचुन•	ना –		
	पठितव्याकरा	गपरआधारितवाक्यरचना * विभिन्नप्रतियोग		_			
References	आठएकाँकी	गटक - डॉरामकुमारवर्मा					
दसएकाँकी		•					
Outcome:	1. हिन्दी	कथासाहित्यकापरिचयमिलताहै।					
	2. कहा	नेयोंद्वारासामाजिकमूल्यसिखायाजाताहै।					
		गसोंकेपठन्सेआलोचनात्मकक्षमतामेंविकास।					
		रणकाव्यावहारिकप्रयोग।					
		ोगीपरीक्षापरआधारितकथासाहित्यसेसंबंधितप्रशि	भुणकार्य। अणकार्य।				

		Semester II								
CC/DSE/NM / OL / E	IE/ SEC/ T	English	Credits	H/W	T/P					
Course Code:	80122	General English - II	3	4	Т					
Objectives	1. To n	nake students realize the importance of re	silience							
	2. To e	nable them to become good decision make	ers							
		nable them to imbibe problem-solving ski	lls							
		nable them to use tenses appropriately								
	5. To h	elp them use English effectively at the wo	rk place.							
Unit - I	Resilience									
	Poem									
	1.1 Don't Q	uit– Edgar A. Guest								
	1.2 Still Hei	e–Langst on Hughes								
	Short Stor									
		Гrouble –R.K. Narayan								
	-	nkle-Washing tonIrving								
Unit - II	Decision Making									
	Short Story									
	2.1 The Scribe – Kristin Hunter									
		Lady or the Tiger - Frank Stockton								
	Poem									
		Road not Taken – Robert Frost								
	+	ke – D. H Lawrence								
Unit - III	Problem So	_								
	Prose life S	•	.1							
		ught My Grandmother to Read – Sudha Mi	urthy							
	Autobiogra									
		r frog Went to Heaven – A Tale of Angolo	alam							
Unit - IV	3.4 Win Tenses	gs of Fire (Chapters 1,2,3) by A.P.J Abdul K	alalli							
onic iv	4.1 Pres	ent								
	4.2 Past									
	4.3 Futu									
	4.4 Cond									
Unit - V	English in the Workplace									
	0	ail – Invitation, Enquiry, Seeking Clarificati	on							
	5.2 Circ									
	5.3 Men	10								
	5.4 Minu	ates of the Meeting								

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Martin Hewings. Advanced English Grammar. Cambridge University Press, 2000SP Bakshi, Richa Sharma. Descriptive English. Arihant Publications (India) Ltd., 2019.

Sheena Cameron, Louise Dempsey. The Reading Book: A Complete Guide to Teaching Reading. S & L. Publishing, 2019.

Barbara Sherman. Skimming and Scanning Techniques, Liberty University Press, 2014.

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https://poetryace.com/im-still-here

R. K. Narayan. Engine Trouble

http://www.sbioaschooltrichy.org/work/Work/images/new/8e.pdf

Washington Irving. Rip Van Winkle <a href="https://www.gutenberg.org/files/60976/60976-h/60976

Frank Stockton. The Lady or the Tigerhttps://www.gutenberg.org/ebooks/396

Outcome:

On completion of this course, students will;

- 1. Realize the importance of resilience
- 2. Become good decision-makers
- 3. Imbibe problem-solving skills
- 4. Use tenses appropriately
- 5. Use English effectively at the work place.

		Semester II								
CC/DSE/N SEC	IME/	Core Course	Credit	H/W	T/P					
Course { Code:	30123	Poultry Nutrition and Feed Milling Technology 5								
Objectives	2. To 3. To 4. To	understand the poultry nutrition and feeding of poultr teach on poultry feed ingredients and its usage Impart knowledge on nutrient requirements of poultry provide in depth knowledge on feeds and feeding of po create awareness on feed milling technology and feed	y oultry	ntrol						
Unit - I	Feed Term Micro conv anim	Ingredients: ninology - Digestive system - Digestion - Nutrients of nutrients - Classification of feed ingredients entional feed resources - Energy sources - Protein al origin - Utilization of Conventional and non-cient content of feed stuffs	classification Convensions	on - Mac tional ar - Vegetab	nd Ur ole and					
Unit - II	Nutr Phys feedi feedi grow Japan	s and Feeding of Poultry: ient requirements of poultry - Factors influencing the ical forms of feed - mash, pellet and crumble - Systems - Restricted feeding - Phase feeding - Precision of sex separate feeding - Feeding of chicken - rers, layers and broilers - Feeding of breeder chicken - rese quails and Guinea fowl - Feeding in different iencies and metabolic disorders in poultry	m of feed feeding - Commerci Feeding o	ng – <i>Ad l</i> Supplem al layer f ducks, tu	<i>libitun</i> ientary chicks urkeys					
Unit - III	Anti- Aflat supp prob	Toxins and Additives: Nutritional Factors in feed stuffs – Classification - Feedoxin and Ochra-toxin and their prevention – Pesticide lements and Feed Additives - Classification - Enzymes iotics, prebiotics, Synbiotics, phytobiotics, antibiotics, premance enhancers	toxicity in , Emulsifie	n poultry rs, Antiox	- Feed kidants					
Unit - IV	Pould mate and l boile cond Pelle	Feed Milling Technology: Poultry feed formulation - Least cost formulation - Feed Mill Layout and design - Ra material purchase and storage - Feed milling equipment - Feed grinder - Roller mil and hammer mill - Feed mixer - Horizontal and vertical mixer - Elevators, conveyor boiler, cyclone etc Basic feed milling process - Batch weighment, grinding, mixin conditioning, pelleting, cooling, crumbling, Sifting and other processing operation Pelleting and crumbling technology - Packaging, labelling and description processed feed- Feed Storage								
Unit - V										

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Reddy Ramasubba V., and Bhosale T. Dinesh, 2004. *Handbook of Poultry Nutrition*. 1st Edition. International Book Distribution Co., Lucknow, India.

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Outcome:	On successful completion of the course, the students may
	1. Understand the digestion and absorption of nutrients in poultry
	2. Acquire in depth knowledge on nutrient requirements of poultry
	3. Understand the type of feed and feeding for poultry
	4. Understand the importance of feed toxins and supplements
	5. Gain knowledge on feed milling activity and feed quality control

Mapping Course Outcome VS Programme Outcomes

CO	P01	PO2	P03	PO4	PO5	P06	P07	P08	P09	PO10
CO1	2	3	2	2	3	3	2	3	1	3
CO2	2	2	3	1	2	2	1	1	2	1
CO3	3	2	2	3	3	3	2	3	3	3
CO4	1	1	2	2	2	3	3	2	3	3
CO5	2	2	3	2	1	3	2	3	2	2
W. AV	2.0	2.0	2.4	2.0	2.2	2.8	2	2.4	2.2	2.4

3- Strong, 2- Medium, 1- Low

Mapping Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	3	2
CO2	3	2	1	2	1
CO3	2	3	3	3	3
CO4	3	2	2	3	3
CO5	1	1	3	3	1
W.AV	2.2	2.2	2.4	2.8	2.0

3- Strong, 2- Medium, 1- Low

		Semester II								
CC/DSE/NM	IE/ SEC	Core Course	Credits	H/W	T/P					
Course Code	e: 80124	Practical in Poultry Nutrition and Feed	4	8	P					
		Milling Technology								
Objectives		tand the poultry nutrient and feeding of pou	ıltry							
		on poultry feed ingredients and its usage								
		t knowledge on nutrient requirements of poo								
		e in depth knowledge on feeds and feeding o		_						
		awareness on feed milling technology and f		control						
1.		ients used in poultry feed ant its nutrient co	mposition							
2.		hysical and sensory evaluation of feed ingredients								
3.		lulterants in Feed production								
4.		of Dry Matter and Moisture								
5.		of Total Ash and Acid Insoluble Ash								
6.		etermination of crude protein, fiber and nitrogen free extract								
7.		on of calcium and Phosphorus								
8.	Estimation									
9.		juirements of poultry								
10.		eed formulation								
11		out and design								
12.		g equipment								
13.		ction methods								
14.		eed ingredients and feed								
15.	Visit to Feed	•								
Outcome:		ul completion of the course, the students ma								
		nd the digestion and absorption of nutrients								
	-	in depth knowledge on nutrient requiremen	1 5							
		nd the types feed and feeding of various pou	•							
		nd the importance of feed toxins and supple								
	5. Better kn	owledge on feed production and feed quality	control							

Mapping Course Outcome VS Programme Outcomes

CO	P01	PO2	P03	P04	P05	P06	P07	P08	P09	P010
CO1	2	3	3	2	3	3	3	2	2	3
CO2	3	2	1	1	2	3	3	2	1	3
CO3	3	2	1	3	2	3	2	1	2	2
CO4	2	2	2	2	1	3	3	2	3	3
CO5	2	2	3	2	3	3	3	3	2	2
W. AV	2.4	2.2	2.0	2.0	2.2	3.0	2.8	2.0	2	2.6

3- Strong, 2- Medium, 1- Low

Mapping Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	2	3
CO2	3	2	1	3	3
CO3	3	2	2	3	2
CO4	3	3	3	2	3
CO5	3	1	2	2	3
W.AV	3	2.2	2	2.4	2.8

3- Strong, 2- Medium, 1- Low

		Semester II							
CC/DSE/NM	E/ SEC	Allied Course	Credits	H/W	T/P				
Course Code	: 80125	Incubation and Hatchery	3	3	T				
		Management							
Objectives	1.To impart	knowledge on hatchery construction and o	perations						
	2. To know t	he care and management of hatching eggs							
	3. To unders	tand the Incubation Principles and Practice	S						
	4. To provide in depth knowledge on day old chick production								
	5. To provide	e in depth knowledge on hatchery managen	nent						
Unit - I									
	Terminology – Hatchery Layout, design and construction - Methods of incubation –								
	Selection and Care of hatching eggs - Storage of hatching eggs - Egg cool room								
	Fumigation of hatching eggs								
Unit - II	Incubation Requirements:								
	Incubation periods of poultry species – Chicken Embryonic development –Physical								
		ts of incubation - Effects of temper			ıseou				
		t, position and turning of eggs on hatchabi	ity of chicker	1					
Unit - III	Incubators								
		- Types of incubators - Single stage and	_						
		Setter management – Hatcher Managemen	t – Automati	on in ha	tcher				
	operation								
Unit - IV	Hatchery O	•							
	Hatchery operations – Setting, Candling - Transfer - Hatching - Pedigree hatching -								
	Chicks pull out - Grading - Chick sexing - Packing and Chick dispatch - In-ovo and								
	In-hatch vaccinations and medications								
Unit - V	Performance Analysis:								
	Hatchability Assessment - Chick quality assessment - Factors affecting								
	hatchability - break open analysis Malformation and Malposition Hatchery								
	records - Hatchery biosecurity – Hatchery sanitation - Hatchery waste								
Reference a	manageme								

Reference and Text books:

Bell D. Donald and Weaver D. William Jr., 2007. *Commercial Chicken Meat and Egg Production*. 5th Edition. Springer India Pvt. Ltd., Noida.

Taylor W. Lewts, 2003. *Fertility and Hatchability of Chicken and Turkey Eggs.* 1st Edition. International book Distributing Co., Lucknow, India.

Sreenivasaiah., P. V., 2015. *Textbook of Poultry Science*. 1st Edition. Write & Print Publications, New Delhi

Rajini Asha R., 2011. Simply....Poultry Science. 1st Edition. Alfa Publications, New Delhi.

Suguna Management System: *Standard Operating Manual – Feed Lab*, 2012. Suguna Foods Pvt. Ltd.

Sreenivasaiah., P. V., 2006. *Scientific Poultry Production-A unique encyclopedia*. International Book Distributing Co., Lucknow, India.

Outcome:	On successful completion of the course, the students could					
	1. Understand the hatchery plan, lay out and construction					
	2. Acquire in depth knowledge care and management of hatching eggs					
	3. Understand the hatchery management and its operations					
	4. Understand the importance of chick quality assessment					
	5. HaveBetter knowledge on the production of quality day old chicks					

Mapping Course Outcome VS Programme Outcomes

СО	P01	P02	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	3	2	3	3	2	2	3	2	3	1
CO2	2	2	2	1	1	3	2	3	2	3
CO3	3	3	3	3	2	3	3	2	1	2
CO4	3	2	2	2	3	2	2	2	2	3
CO5	3	2	3	3	2	1	3	1	2	2
W. AV	2.8	2.2	2.6	2.4	2	2.2	2.6	2	2.0	2.2

3- Strong, 2- Medium, 1- Low

Mapping Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	2	3	3	1
CO2	2	2	2	2	3
CO3	3	3	3	1	2
CO4	2	3	2	2	3
CO5	2	1	3	2	2
W.AV	2.0	2.2	2.6	2.0	2.2

3- Strong, 2- Medium, 1- Low

			S	emest	er II				
CC/DSE/NM	IE/ SEC		A	llied C	ourse		Credits	H/W	T/P
Course Code	e: 80126	Practical	in	Egg	Incubation	and	2	4	P
		Hatchery		_					
Objectives	· •	_		-	planning and		uction		
					ent of hatching				
		3. To understand the Incubation Principles and Practices							
	· •	. To provide in depth knowledge on day old chick production							
	•	To provide in depth knowledge on hatchability assessment							
1.	Hatchery pla								
2.	Physical req	uirements o	of inc	ubatio:	n				
3.	Fumigation	and Grading	g of h	atchin	g eggs				
4.	Egg Setting a	and method	s - Eg	gg cand	lling				
5.				ng, vac	cination, sexin	g metl	hods		
6.	Residue bre								
7.	Calculation of				lity				
8.	Chick packii			ation					
9.	Hatchery wa		<u>l</u>						
10.	Hatchery sa								
Outcome:		-			ırse, the studer				
					out and const				
	-	_			nd managemei	nt of h	atching eg	gs	
	3. Understan		-	-					
	4. Gain knov	_	-						
	5. Acquire k	nowledge or	n hato	ching p	oractices				

Mapping Course Outcome VS Programme Outcomes

СО	P01	PO2	P03	PO4	P05	P06	P07	P08	P09	PO10
CO1	2	3	2	3	1	2	3	2	3	3
CO2	1	2	1	2	2	2	2	2	2	2
CO3	3	3	3	1	3	3	1	2	3	2
CO4	2	3	3	3	2	3	2	2	2	2
CO5	2	2	1	1	2	1	2	3	3	3
W. AV	2	2.8	2.0	2	2.0	2.2	2	2.2	2.6	2.4

3- Strong, 2- Medium, 1- Low

Mapping Course Outcome VS Programme Specific Outcomes

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	2	1
CO2	1	2	2	2	3
CO3	3	3	1	3	2
CO4	3	2	3	3	3
CO5	1	3	1	1	2
W.AV	2.0	2.6	2	2.2	2.2

3- Strong, 2- Medium, 1- Low

		Semester II							
CC/DSE/NM / OL / E	IE/ SEC/ T	SEC - II	Credits	H/W	T/P				
Course Code:	80127	Environmental Studies	2	2	P				
Objectives	such 2. To p 3. To ir 4. To k	nderstand the multidisciplinary nature as forest, water, mineral and energy and ortray the eco system bio diversity and it inpart the knowledge of environmental prow the importance office ld work to studied and visit local areas to document experience.	land resouts conservated conse	rces. ation. n plants,	insects				
Unit - I	The Multid	isciplinary Nature of Environmental							
Unit - II	Natural Re A). Fores: Studies, T: Tribal Pec B). Water Water, F Problems. C). Miner: Extracting D). Food and Over Problems, E). Energ Renewable F). Land I Landsides ➤ Role ➤ Equi	C). Mineral Resources: Use and Exploitation, Experimental Effects of Extracting and Using Mineral Resources, Case Studies. D). Food Resources: World Food Problems, Changes Caused by Agriculture and Overgrazing, Effects of Modern Agriculture, Fertilizer-Pesticide Problems, Water Logging, Salinity, Case Studies. E). Energy Resources: Growing Energy Needs, Renewable and Non-Renewable Energy Sources, Use of Alternate Energy Resources, Case Studies. F). Land Resources: Land as a Resource, Land Degradation, Main Induced Landsides, Soil-Erosion and Desertification.							
Unit - IV	Eco system Ecosystem, Ecological P Biodiversit Species and Value of Aesthetic a Levels, Ind to Biodive Endangered Situ And Ex Environme Pollution, B	A grand Its Conservation: Introduct Eco system Diversity, Bio-Geographic Biodiversity: Consumptive Use, Product Option Values. Biodiversity at Globia as a Mega-Diversity Nation, Hot Spot resity: Habitat Loss, Poaching of Wild life and Endemic Species of India, Conserve Situ Conservation of Biodiversity. Intal Pollution: Causes, Effects And Co. J. Water Pollution, C). Soil Pollution, D). Manual Pollution Poll	ction-Definal Classifical Classificative Use, Dal, Nations of Biodire, Man-Willation of Entrol Meas	ood Web nition: Go cation of Social E nal and versity, T d life Con Biodiversi	enetic, India, Ithical, Local hreats nflicts, ty :In-				
Unit - V	Field Work Visit to a	J. Thermal Pollution, G) . Nuclear Hazards. a Local Area to Document Environmenta d/ Hill/Mountain		-River/ F	orest/				

- ➤ Visit to a Local Polluted Site-Urban/Rural/Industrial/Agricultural
- > Study of Common Plants, Insects, Birds
- > Study of Simple Eco system-Pond, River, Hill Slopes, etc.,

References

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Gieick, H.P. (1993). Waterin Crisis, Pacific Institute For Studies in Dev, Envir Security. Stockholm Env. Institute, Oxford University Press.

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Heywood, V. H., & Watson, R. T. (1995). *Global biodiversity assessment* (Vol. 1140). Cambridge: Cambridgeuniversitypress.

Jadhav, H. V., & Bhosale, V. M. (2006). *Environmental Protection and laws*. Himalaya Publishing House.McKinney, M. L., & Schoch, R. M. (1996). *Environmental Science: Systems and Solutions* (St. Paul, MN).Mhaskar,A.K.*Matter Hazardous*.Techno-Science Publications.

Miller, T. G. (1989). *Environmental Science: Working with theearth (2 nd)*. Wadsworth Publicing Co.

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Odum, E. P., & Barrett, G. W. (1971). *Fundamentals of ecology* (Vol. 3, p. 5). Philadelphia: Saunders.Rao,M.N., &Datta,A.K.(1987). *Waste Water Treatment*.Oxford &IbhPubl, Co.Pvt.Ltd.

Sharma, B.K. (2001). *Environmental Chemistry* – 6th *Revised Edition*.

Townsend, C.R., Begon, M., & Harper, J.L. (2008). *Essentials of Ecology* (3rd edition). Oxford: BlackwellPublishing.

Trivedi,R.K.(2010). *HandbookofEnvironmentalLaws,Rules,Guidelines,CompliancesandStandards*. *Vol. I andII.EnviroMedia*.

Wanger, K.D. (1998). *Environmental Management*. Saunders Co. Philadelphia, USA.

Outcome:

On successful completion of the subject, the students acquired knowledge about:

- 1. Renewable and non-renewable resources.
- 2. Species and Ecosystem Diversity, Bio-Geographical Classification of India, Value of Biodiversity:
- 3. Causes, Effects and Control Measures of environmental pollution
- 4. Field work knowledge of studying eco system pond, river, hill and common plants, insects and birds
- 5. Documentation of environmental assets

		Semester III							
CC/DSE/NI	ME/ SEC/ Tamil	Tamil	Credits	H/W	T/P				
Course Co	ode: 80131T	தமிழகவரலாறும்பண்பாடும <u>்</u>	3	4	Т				
Objectives	 தமிழரின்வாழ தமிழரின்பண் தமிழர்மேல்நி தமிழ்இலக்கி 	ற்றைஅறிந்துகொள்ளுதல். ழ்வியல்தொன்மையைஅறிதல். ரபாட்டினைஅறிந்துகொள்ளல். கழ்ந்தபிறபண்பாட்டுத்தாக்கங்களைஅ யம்சார்ந்தபோட்டித்தேர்வுகளுக்குஏற்ப	•	_முறைக	ளை				
Unit - I	தொல்பழங்காலவர 1. தொல்தமிழச் 2 பழையகற்காலம் 3. புதியகற்காலம் 4. உலோகக்காலம் 5. அகழ்வாராய்ச்சியில் வாணிகம்,விளையர 7. கல்வியும், கலைக்கில் தமிழ்வளர்த்தசங்	2 பழையகற்காலம் 3. புதியகற்காலம் 4. உலோகக்காலம் 5. அகழ்வாராய்ச்சியில்தமிழும்தமிழரும் (கீழடிவரை) 6. திணைவாழ்வியல் (களவுவாழ்க்கை, கற்புவாழ்க்கை, உணவு, அணிகலன்கள், வாணிகம்,விளையாட்டுகள்) 7. கல்வியும், கலைகளும். 8. தமிழ்வளர்த்தசங்கம். 9. சங்ககாலஆட்சிமுறை.							
Unit - II Unit - III	ஆட்சியர்வரலாறு 1.மூவேந்தர்வரலாறு 2. பல்லவர்வரலாறு 3. நாய்க்கர்ஆட்சி 4. முகம்மதியர்ஆட்சி 5. மராட்டியர்ஆட்சி 2. டச்சுக்காரர்கள் 3 டேனிஸ்காரர்கள் 4. பிரெஞ்சுக்காரர்கள் 5. ஆங்கிலேயர்கள் 6. பாளையக்காரர்	ற ப சி ர லாறு ச							
11-4 07		லப்போராட்டத்தில்தமிழ்நாட <u>ு</u>							
Unit - IV	1. மொழிப்போராட்	டம்							

	2. சமூகமறுமலர்ச்சி	
	3. தொழில்நுட்பவளர்ச்சி	
Unit - V	மொழிப்பயிற்சி ■ நிறுத்தக்குறிகள் ■ கலைச்சொற்கள் ■ மொழிபெயர்ப்பு பயிற்சி ஆங்கிலக்கலைச்சொற்களைக்கொடுத்துஅவற்றைத்தமிழில்மொழிபெயர்க்கச்செய்தல்.	:

References:

- தமிழகவரலாறும்பண்பாடும் கே.கே. பிள்ளை, உலகத்தமிழாராய்ச்சிநிறுவனம், சென்னை,
- தமிழர்நாகரிகமும்பண்பாடும் அ. தட்சிணாமூர்த்தி, யாழ்வெளியீடு, சென்னை,
- தமிழகவரலாறும்பண்பாடும் வே.திசெல்லம், மணிவாசகர்பதிப்பகம், சென்னை,
- ஆதிச்சநல்லூர்முதல்கீழடிவரைநுவேதாலூயிஸ், கிழக்குப்பதிப்பகம், சென்னை,
- பண்பாட்டுமானிடவியல் பக்தவத்சலபாரதி, அடையாளம்பதிப்பகம், திருச்சி.
- தமிழாமேல்நிகழ்ந்தபண்பாட்டுப்படையெடுப்புகள், க.ப. அறவாணன், தமிழ்க்கோட்டம், சென்னை.
- தமிழகசமுதாயபண்பாட்டுகலைவரலாறு -குசேதுராமன், என்.சி.பி.எச், சென்னை,
- தமிழர்கலையும்பண்பாடும் அ.கா. பெருமாள், என்.சி.பி.எச், சென்னை.
- ஒருபண்பாட்டின்பயணம்சிந்துமுதல்வைகைவரை ஆர். பாலகிருஷ்ணான்,
 ரோஜாமுத்தையாஆராய்ச்சிநூலகம், சென்னை.
- தமிழும்பிறபண்பாடும் தெ.பொ. மீனாட்சிசுந்தரனார், நியூசெஞ்சுரிபுக்ஹவுஸ், சென்னை.
- தமிழர்வரலாறும்பண்பாடும் நீலகண்டசாஸ்திரி, ஸ்ரீசெண்பகாபதிப்பகம், சென்னை.
- தமிழச்வரலாறும்தமிழர்பண்பாடும் மா.இராசமாணிக்கனார்.
- தமிழர்நாகரிகவரலாறு க.ததிருநாவுக்கரசு, தொல்காப்பியர்நூலகம், சென்னை.

	>	தமிழகவரலாற்றைஅறிந்துகொள்வர்.
	>	தமிழரின்வாழ்வியல்தொன்மையைஅறிவர்.
Outcome:	>	தமிழரின்பண்பாட்டுக்கூறுகளைஅறிந்துகொள்வர்.
	>	பிறபண்பாட்டுத்தாக்கம்மற்றும்அணுகுமுறைகளைஅறிவர்.
	>	மொழிப்பயிற்சிக்குத்தேவையானஇலக்கணங்களைக்கற்பர்.

Semester III										
Tamil / OL		Hindi	Credits	H/W	T/P					
Course	80131H	पत्रलेखनऔरपारिभाषिकशब्दावली	3	4	T					
Code:										
Objectives		पत्रलिखना								
		जिकपत्रलिखना								
		सायिकपत्रलिखना								
		लयीपत्राचारकाज्ञानदेना								
		ोकीशब्दावलीजानना								
Unit - I		ान : * निजीपत्र-अर्थऔरभेद * पिताजी/माताजीवे	ञ्नामपर * वि	मेत्र, भाईकेन	गमपर *					
	पारिभाषिकश	ब्दावली- प्रशासनिक								
Unit - II	सामाजिकपः	त्र लेखन : * सामाजिकपत्रअर्थऔरभेद	* आवेट	नपत्र –	नौकरी,					
	छुट्टी*डाक	अधिकारीकेनामपत्र *नगरपालिकाकेनामपत्र * पार्वि	रिभाषिकशब	दावली						
Unit – III	व्यावसायिक	पत्रलेखन : * व्यावसायिकपत्रअर्थऔरभेद * प्र	काशककेना	मपर * पूछ	-ताछ *					
	शिकायती * ध	क्षतिपूर्तिआदिविषयोंपर * शब्दावलीपदनामवमंत्रा <i>व</i>	लयों							
Unit - IV	कार्यालयीपत्र	गचार : * सामान्यपरिचय * सरकारीपत्र * अर्थ	-सरकारीपत्र	* ज्ञापन, प	गरिपत्र *					
		अधिसूचना * आवेदनपत्र * पारिभाषिकशब्दावर्ल								
Unit - V	प्रतियोगीपरी	'क्षापरआधारितपत्राचारसेसंबंधितप्रशिक्षणका	र्य	:	*					
	प्रारूपबनानेव	गप्रशिक्षणदेना * टिप्पणीलि	खनेकाप्रशि	क्षणदेना	*					
		गिगीपरीक्षाओंकेबारेमेंसूचनाप्रदानदेना								
References	आलेखनऔर	टिप्पणी – प्रो. विराज *								
आलेखन – वि	म्चलू									
Outcome:	1. पत्रले	खनकाज्ञानप्रदानकरना								
	2. कार्या	लयपत्राचारकेनियमसमझाना								
		गषाहिन्दीकीजानकारीदेन <u>ा</u>								
	4. आले	खनऔरटिप्पणीलिखनेकाअभ्यास								
	5. पदन	म, अनुभागकेनामऔरतत्संबंधीशब्दावली								

		Semester III							
E		English	Credits	H/W	T/P				
Course	80132	General English - III	3	4	Т				
Code:									
Objectives		ake them active listeners							
	2. To e	nhance the interpersonal relationship skill	S						
		mbolden them to cope with stress							
		aster grammar skills							
		elp them to use English effectively in a bus	iness enviro	nment					
Unit - I	Active Liste								
	Short Story								
		Grove - Akutagawa Ryunosuke Translate	ed from Japa	anese by T	ľakashi				
	Kojima								
		Gift of the Magi – O' Henry							
	Prose								
		ning – Robin Sharma	1 .						
** ** **		el Prize Acceptance Speech – Wangari Maat	thai						
Unit - II	Interpersonal Relationships								
	Prose 2.1 Telephone Conversation – Wole Soyinka								
	2.2 Of Friendship – Francis Bacon								
	Song on (Motivational/ Narrative)								
	2.3 Ulysses – Alfred Lord Tennyson								
	2.4 And Still I Rise – Maya Angelou								
Unit - III									
	Coping With Stress Poem								
	1	ıre – W.H. Davies							
		ety Monster – RhonaMcFerran							
	Readers Th								
		Forty Fortunes: A Tale of Iran							
		•							
Unit - IV	Grammar								
	4.1 Phra	sal Verbs & Idioms							
		als and Auxiliaries							
	4.3 Verb								
Unit - V	Compositio	on/ Writing Skills							
	5.1 Offic	ial Correspondence – Leave Letter , Lette	er of Applica	ation, Perr	nission				
	Letter	- -							
	5.2 Draf	ting Invitations							
	5.3 Brochures for Programmes and Events								
References									

References

Text Books (Latest Editions)

Wangar iMaathai – Nobel Lecture. Nobel Prize Outreach AB 2023. Jul 2023.

Mahesh Dattani, Where there is a Will. Penguin, 2013.

Martin Hewings, Advanced English Grammar, Cambridge University Press, 2000

Essential English Grammar by Raymond Murphy

Web Resources

WangariMaathai – Nobel Lecture. Nobel Prize Outreach AB 2023. Mon. 17 Jul 2023. https://www.nobelprize.org/prizes/peace/2004/maathai/lecture/

Telephone Conversation - Wole Soyinka

https://www.k-state.edu/english/westmank/spring 00/SOYINKA.html

Anxiety Monster- RhonaMcFerran-

www.poetrysoup.com

Outcome:

On completion of this course, students will;

- 1. Listen actively
- 2. Develop interpersonal relationship skills
- 3. Acquire self-confidence to cope with stress
- 4. Master grammar skills
- 5. Carry out business communication effectively

		Semester III								
CC		Core Course	Credits	H/W	T/P					
Course Code	80133	Principles of Poultry Breeding	3	3	Т					
Objectives	1. To impar	knowledge on fundamentals of poultry	breeding							
	2. To teach	on various economic traits of broilers an	ıd layers							
	3. To impar	t knowledge on various methods used in	ı poultry breedii	ng						
	4. To develo	p skill on Artificial Insemination in chic	ken							
		t knowledge on development of commer	cial strains of po	oultry						
Unit - I	Classificati	on of Poultry:								
		'erminology - Genetic classification								
		tics of poultry - Basic genetics – Chromo								
	of poultry – Qualitative traits – Auto sexing – Economic traits of commercial layers and									
	broilers									
Unit - II	Inheritance		_							
		of characters - Principles in controll	•							
		ss - Homozygous and heterozygous inc								
		segregation and recombination - The law			ıt - Sex-					
** ** ***		ritance - Distinguishing sex at hatching t	time - Hybridiza	tion						
Unit - III	Methods of	S .	. 1	п и си						
		d environment basis of selection -Indi								
	Pedigree selection - Progeny testing - Methods of mating - Flock, Pen, Pair mating - Random mating- Out breeding - Crossbreeding - Inbreeding									
TI			nbreeding							
Unit - IV		Selection Methods: Methods of selection on phenotypic values - Tandem method - Independent culling								
				-	_					
		ction index - Ideal breeding programme		oiras for bre	eaing -					
Unit - V		egg type lines - Selection of meat type lior Meat and Egg:	1162							
Ollit - V	_	stocks - Great Grandparent stock, Gra	ndnarent stock	narent hre	adars _					
		hybrids - Objectives of poultry breed								
	Artificial in		ing for inear an	a egg prod	action					
Reference a										
		ue M. F., 2007. Handbook of Poultry	Production and	d Manaaem	ent. 2nd					
		Medical Publishers Pvt. Ltd., New Delhi.		r riunagom.	J.1101 –					
		of the Fowl: The classic guide to poultry		hicken aene	etics. 1st					
		ess, New York.	J	0						
		5. Textbook of Poultry Science. 1st Edition	n. Write & Prin	t Publication	ns, New					
Delhi		, ,								
Jull A. Morley	y, 2008. <i>Poult</i>	ry Husbandry. 2 nd Edition. J. V. Publishi	ng House, Jodhp	our, Rajastha	an.					
Jull A. Morley	y, 2007. <i>Succe</i>	essful Poultry Management. 2nd Edition	. Biotech Books	New Delhi.						
Hurd M. Lo	uis, 2003. <i>I</i>	Modern Poultry Farming. 1st Edition.	International	Book Distr	ibuting					
Company, Lu	ick now									
Outcome:		ul completion of the course may								
		e knowledge on fundamentals of poultry	_							
		nd the various systems of chicken breed	_							
	_	the knowledge on various selection metl		Poultry bre	eding					
	-	skill on Artificial Insemination in chicke								
		nd the technology on the development of	f strains of chick	en for						
	commerc	ial exploitation								

СО	P01	PO2	P03	PO4	P05	P06	P07	P08	P09	PO10
CO1	2	3	3	3	2	2	2	3	2	2
CO2	2	2	3	3	2	1	2	2	3	3
CO3	3	2	3	3	1	3	2	1	2	2
CO4	2	2	2	3	3	3	2	3	3	2
CO5	2	2	2	2	3	3	2	2	2	1
W. AV	2.2	2.2	2.6	2.8	2.2	2.4	2	2	2.4	2.0

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	3	2	3
CO2	3	3	1	2	3
CO3	3	3	3	3	1
CO4	2	3	2	1	2
CO5	2	2	3	2	2
W.AV	2.6	2.8	2.4	2	2.2

3- Strong, 2- Medium, 1- Low

		Semester III								
CC		Core Course	Credits	H/W	T/P					
Course Cod	e: 80134	Breeder Chicken Management	3	3	T					
Objectives	1. To unders	tand the chicken breeder industry								
-	2. To know t	2. To know the broiler breeder maintenance and its performance								
	3. To Impart	3. To Impart knowledge on breeder housing and feeding								
	4. To provide	l. To provide in depth knowledge on breeder male management								
	5. To teach o	. To teach on the collection and care of hatching eggs								
Unit - I	Breeding In	idustry:								
	Breeder Teri	minology - Size and structure of breedir	ng industry –	Breeder	chicken					
		- Pure line - GGP - GP Parent - Com		lers and	ayers -					
	Commercial	strains of broilers and layers - Production	n standards							
Unit - II		nd Growing Management								
		- Shed preparation – Brooding arrange								
		ing - Stocking density - Crop score - Ligh								
		Male and Female breeders - Grading								
		anagement – Identification of Sexing Err								
		election of males - Vaccination and med	lication sche	edule for l	oreeder					
		rowers -Transfer to layer house								
Unit - III	_	ving Management:	_	_						
		uirement of broiler breeder - Broiler bree								
		stem – Management of Nest box - Li	_							
		t – Pre-laying - Pre-peak - Peak and Post								
		g management- Vaccination and medica								
		le management – Spiking of males - M	ale remale i	капо- гее	aing or					
Unit - IV	males - Floci	semination:								
Unit - IV			ation Cara	of botobin						
	_	ctors affecting fertility - Artificial insemin								
		election, Sanitation, Fumigation and sto Packing and dispatch of hatching eggs								
		racking and dispatch of hatching eggs ks – Summer, Winter and Monsoon mana		manager	nent of					
Unit - V	Records Kee		gement.							
OHIL - V		eping: of record keeping - Records in breeder pi	roduction an	d managa	mont					
		e parameter monitoring – HHE - HD%								
		reed efficiency - Flock costing, Fertility, C			-					
	eggs, day old		ost of produ	cuon of fi	accining					
Reference	nd Text boo									
		ks: Acyclopedia of Broiler Breeder Producti	on: Product	ion Foodi	na and					
TOUIT MICH	ici, 2013. Ell	icyclopedia oj bioliel bieedel Floddch	on, ribuutti	on, recul	ng unu					

Youn Michael, 2013. *Encyclopedia of Broiler Breeder Production: Production, Feeding and Management Techniques*. Vol. 1, 2 & 3. Anmol Publications Pvt. Ltd., New Delhi.

Leeson. S., and Summers J. D., 2001. *Broiler Breeder Production*. 1st Edition. International Book Distributing Company, Lucknow

Sreenivasaiah., P. V., 2015. *Textbook of Poultry Science*. 1st Edition. Write & Print Publications, New Delhi

Bell D. Donald and Weaver D. William Jr., 2007. *Commercial Chicken Meat and Egg Production*. 5th Edition. Springer India Pvt. Ltd., Noida.

Rajini Asha R., 2011. Simply Poultry Science. 1st Edition. Alfa Publications, New Delhi

Taylor W. Lewts, 2003. *Fertility and Hatchability of Chicken and Turkey Eggs.* 1st Edition. International book Distributing Co., Lucknow, India.

Outcome: On successful completion of the course, the students could

- 1. Understand the existing broiler breeding policies and performance
- 2. Acquire in depth knowledge on grading and feeding of breeder chicks
- 3. Understand the cock management for better fertility
- 4. Understand the importance of artificial insemination and method
- 5. Better knowledge on hatching egg production

CO	PO1	PO2	P03	PO4	P05	P06	P07	P08	P09	PO10
CO1	3	3	2	3	2	3	2	2	3	2
CO2	2	3	3	2	3	3	2	3	2	2
CO3	3	2	2	2	3	2	3	3	2	3
CO4	3	3	3	3	2	3	3	3	1	2
CO5	3	3	3	2	3	3	3	3	3	2
W. AV	2.8	2.8	2.6	2.4	2.6	2.8	2.6	2.8	2.2	2.2

3 - Strong, 2 - Medium, 1 - Low

СО	PO1	PO2	PO3	PO4	PO5
CO1	2	3	2	2	3
CO2	2	3	3	3	1
CO3	3	2	2	2	2
CO4	3	2	3	3	3
CO5	3	3	2	2	1
W. AV	2.6	2.6	2.4	2.4	2.0

3 - Strong, 2 - Medium, 1 - Low

			Sem	ester III					
CC				e Course			Credits	H/W	T/P
Course Code	e: 80135	Practical	in Pi	rinciples	of	Poultry	3	6	P
		Breeding	and	Breeder		Chicken			
		Managem							
Objectives		stand the bre			of o	chicken			
		on sexing of							
	_	rt knowledge							
	-	de in depth k	_			_			
		e awareness				of hatchin	ng eggs		
1.		breed chara				,			
2.		<u>inheritance –</u>							
3.		ing program							
4.		ing program	me – sel	ection of m	eat	type lines	3		
5.		semination							
6.		ensity- floor, f					ments of b	reeders	
7.		rrangements		ooding equi	pn	nent			
8.		d CV% calcul							
9.		good and poo							
10.		f cock for bre		1.0					
11		gg Collection,							
12.		ce Assessme				1 .			
Outcome:		ful completio					ly		
		nd the breed							
	_	l knowledge (امنطم منصد		
	3. Have an production	in depth kno on	wieage c	ni breeding	po	oncies vog	ue in chick	ken	
		nd the broile	r breede	er manage r	nei	ntal practi	ces		
		ess on collect							
ı	J. TI. GITCHE	on conce	II alla	July C OI Hatt		0 ~00~			

СО	PO1	PO2	PO3	PO4	PO5	P06	P07	P08	P09	PO10
CO1	3	2	2	3	2	3	2	2	3	2
CO2	2	3	3	2	3	3	1	3	2	2
CO3	2	2	2	2	3	2	3	3	2	2
CO4	3	3	3	3	2	3	3	3	1	2
CO5	3	3	2	2	3	3	3	3	3	2
W. AV	2.6	2.6	2.4	2.4	2.6	2.8	2.4	2.8	2.2	2.0

СО	PO1	PO2	PO3	PO4	PO5
CO1	3	2	1	2	3
CO2	3	1	2	3	2
CO3	2	3	3	3	2
CO4	3	3	3	3	1
CO5	3	3	3	3	3
W. AV	2.8	2.4	2.4	2.8	2.2

3 - Strong, 2 - Medium, 1 - Low

Semester III

ALLIED		Climatology and Poultry Production	Credits	H/W	T/P				
Course Cod	e: 80136		3	3	T				
Objectives	1. To under	stand the importance of Climatology and it	ts influence	on					
	poultry I	Production							
	2. To create	awareness on the climatic components							
	3. To have ar	n in depth knowledge on seasonal influence	on poultry						
	4. To provide	e in depth knowledge on disaster problems							
	5. To unders	tand the development of heat resistant chic	ken						
Unit - I	Classification	on of Climate :							
	Introduction	- Climate Definition - Classification -	Climatic 1	regions –	Climate				
	Assessment	- Ecosystem - Natural resources and its ma	nagements						
Unit - II	Component	s of Climate :							
	Climatic differentiation for avian production - Micro and Macro climate								
	Temperature	e - Temperature zones - Air-compositio	on - Speed	and Move	ment ·				
	Relative hun	nidity and Light - Climatic factors affecting	poultry pro	oduction in	housed				
	conditions								
Unit - III	Effect of Sea	ason on Poultry:							
	Seasonal ma	anagement of birds - Summer - Winter a	nd Monsooi	n - Measuri	ng and				
	assessing te	emperature - Introduction of natural hea	t resistant	breeds/ va	rieties,				
	strains to su	uit different climate regions of India – Ag	gro-meteoro	ology and w	veathe				
	forecasting f								
Unit - IV	Seasonal M	•							
		neasure during extreme climatic condition							
	_	nagement - Water management Medic	cation proc	edures - (llimatio				
	adaptation m	neasures and disaster management.							
Unit - V	Pollution ar	nd Disaster Management:							
	Environmen	tal pollution - Air pollution - Water pollu	tion - Solic	d waste pol	lution ·				
		ion - Soil pollution - Radioactive pollution							
	pollution - N	atural Disasters - Meaning, types and effec	t - Floods - I	Drought - C	yclone ·				
	_	s - Landslides - Avalanches - Volcanic erup		t and cold V	Naves ·				
		isasters - Nuclear disasters - Biological dis	sasters						
	ınd Text bool								
	•	ndamentals of Ecology and environme	nt, 2 nd Ed	ition. Path	ıfinder				
publications									
	-	Text book of Environmental studies for	r Undergra	duate cour	ses.Alf				
Publications	•								
•		nmental Science, 1st Edition, ISBN 9789395		1					
0		ningham, 2017. Principles of Environme	ntal Science	e, 4 th Editi	on, M				
	icatinal publi			0.01					
		17. Ecology. Environmental Science and C	onservation	. S.Chand	CGIU 8				
Company, N			5 H						
•		mental studies, 2020, Daya publishig house							
		nental studies, Prasanna publishers and dis							
Outcome:		al completion of the course, the students co	ould						
		d the importance climatology							
	2. Acquire k	nowledge on types of pollution affecting the	e environme	ent					

- 3. Understand the impact of global warming on the earth
- 4. Acquire knowledge on micro environment on poultry production
- 5. Gain knowledge on disaster management

CO	P01	PO2	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	2	3	3	3	2	1	3	1	1	1
CO2	1	1	3	1	2	2	1	2	2	1
CO3	3	2	2	2	2	3	2	2	2	3
CO4	2	2	2	3	2	2	1	3	2	3
CO5	2	2	2	3	2	3	3	2	3	3
W. AV	2.0	2.0	2.4	2.4	2.0	2.2	2.0	2.0	2.0	2.2

3 - Strong, 2 - Medium, 1 - Low

СО	PO1	PO2	PO3	PO4	PO5
CO1	2	3	2	2	3
CO2	1	2	3	3	1
CO3	3	2	2	2	2
CO4	3	2	2	3	3
CO5	3	3	2	2	1
W. AV	2.4	2.4	2.2	2.4	2.0

3 - Strong, 2 - Medium, 1 - Low

				Semester 1	III				
ALLIED		Practical	in	Climatology	and	Poultry	Credits	H/W	T/P
Course	80137	Productio	n				2	3	P
Code:									
Objectives	1.To und	derstand the	ovei	rview of climato	ology				
	2. To acc	quire knowl	edge	on measureme	nt of cli	imatic con	nponents		
	3. To un	derstand the	e env	rironmental poll	utions				
		-		owledge therm		-	•		
				owledge on disa	aster m	anagemer	nt		
1.		t zone of po							
2.	Measure	ement of mi	croe	nvironment					
3.	Lighting	g programm	e for	commercial bro	oilers, la	ayers and	breeders		
4.	Summer	r managem	ent o	f poultry					
5.	Litter M	anagement	in w	inter and mons	oon				
6.	Therma	l resistant b	reed	s of chicken					
7.	Visit to	Agro meteo	rolog	y station					
8.		r forecasting							
9.	Water q	uality asses	smer	nt					
10.		r manageme		•					
Outcome:				n of the course,			d		
				r industry status					
	_	-	ı kno	wledge broiler	farm bi	o security	and shed		
		ration		_					
		-		ction managem					
		rstand the ir sment	npor	tance and meth	ods of b	oroiler per	formance		
	5. Better	r knowledge	on t	he broiler produ	ıction a	ınd marke	ting		

СО	P01	PO2	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	2	2	3	2	2	3	2	2	3	3
CO2	1	2	3	1	2	1	3	2	3	3
CO3	2	2	3	2	2	3	3	1	2	2
CO4	3	1	3	3	2	1	2	3	1	3
CO5	3	3	3	2	3	2	2	2	3	2
W. AV	2.2	2	3.0	2	2.2	2.0	2.4	2.0	2.4	2.6

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	2
CO2	1	2	3	1	2
CO3	2	2	3	2	2
CO4	3	1	3	3	2
CO5	3	3	3	2	3
W.AV	2.2	2	3.0	2	2.2

3- Strong, 2- Medium, 1- Low

		Semester III								
SEC		Entrepreneurship	Credits	H/W	T/P					
Course	80138		2	2	P					
Code:										
Objectives	1. To en	nable the students to understand the conc	ept of Entrep	reneursh	ip and					
		arn the professional behaviour about Entr								
		lentify significant changes and trends whic	ch create nev	v business	S					
	1 1	opportunities?								
		nalyse the institutional arrangement for po	otential busii	ness						
	1 1	ortunities.	_							
	_	rovide conceptual exposure on converting	ideas to an v	vomen						
		epreneurship								
Unit - I		ur–Meaning–Importance–Definition–Type	s-Functions	-Qualities	of an					
		ur–Entrepreneurship as a career.								
Unit - II		omotion– Product selection – Form of								
		ng, water and power, raw material, m			other					
		ral facilities – Licensing, registration and l								
Unit - III		larrangementsforentrepreneurshipdevelo	•		IC,SISI					
		alfinancetoentrepreneurs-TIIC,SIDBI,Com	imercialbank	KS-						
** ***		osmall scale industries.								
Unit - IV		ort -Meaning and importance-Project r								
		equirements of financial institutions)-	,							
	_	Technical feasibility- Financial feasibility	and econon	nic feasib	ility-					
77 . 77	Breakeven a	·		1	T 1:					
Unit - V	· -	urship development in India-Women er	-	-	India-					
D - 6	Sickness in	small scale industries and their remedi	ai measures.							
References	unahin and l	Managament of Small business Cor	stra for En	+wanwan ar	. wala i sa					
		Management of Small business – Cer	itre for En	treprenet	ırsnıp					
_		seph Paul, N. Ajit kumar and T.Mampilly. pment. Himalayan Publishing House. Kh	on MA En	tropropoi	ırchin					
		es in India. Kanishka Publishing House, D								
· •	•	nent. Ess Pee kay Publishing House, Chenr		avei, i . (1	. <i></i>					
_	_	f Entrepreneur Development and Manager		wan Puhli	ichina					
House.	i. Dynamics 0	i Emerepreneur Development and Manager	mene minar	iyan i ubli	isiiiig					
Outcome:	After studie	d, the student will be able to								
Jucomei		nderstand the significance of entrepreneu	rship and ent	trepreneu	ır					
	quali	-	- Imp and on	op: one						
	_	now about the developing ideas and techn	iaues of busi	ness.						
		nderstand about the procedures of startup	-							
		lentify the institutional support provided t		eurs.						
		nalyse the women entrepreneurship devel								
	1 0. 10 0.	, 22 me emen emerepreneuromp dever								

СО	P01	P02	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	3	3	2	3	2	2	3	3	2	2
CO2	2	2	2	1	3	2	3	3	3	2
CO3	1	3	3	3	3	1	2	2	3	3
CO4	2	3	2	1	2	3	1	3	2	2
CO5	2	2	3	2	2	2	3	2	3	3
W. AV	2.0	2.6	2.4	2.0	2.4	2.0	2.4	2.6	2.6	2.4

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	2	3	2
CO2	2	2	3	2	2
CO3	2	1	2	3	3
CO4	2	2	3	3	2
CO5	2	2	1	2	3
W.AV	2.0	2.0	2.2	2.6	2.4

3- Strong, 2- Medium, 1- Low

			Sen	nester IV			
	T/ OL		_		Credits	H/W	T/P
Course C	Code: 8014	l1T	தமிழுப்	அறிவியலும்	3	4	Т
Objectiv es Unit - I	தாய்மொரு அறிவியல் மாணவர்க் தமிழில்அ தமிழ்இல் கொள்ளுத் தமிழரின்அறில் அறிவியலு ஐந்திணை தொழில்ந நீர்நிலமே பழந்தமிழ்இல 1. நிலவியல். 2 உலோகவிய 3 வாளவியல்	நிவழியர் தைக்கு திவியல் த்கியம்ச தல். வியல்சிர் பம்மனித ரப்பகுப் பட்பமே லாண்ன க்கியங்க	சொல்லாக்கம்பு அறிவியல்பார் லபடைப்பிலக்கிய எர்ந்தபோட்டித் தேணைகள் தவாழ்வும். பும்குழலியலும். லாண்மை.		ாவளர்த்தல், எல். 5ல்.	<u> </u>	
Unit - III	4 உயிரியல் 5. உளவியல் இடைக்காலஇ 1. காப்பியங்க 2 சிற்றிலக்கிய	ளில்அறி		ல்சிந்தனைகள்			
	3. உரைநூல்க		ிவியல்				
Unit - IV	இணையத்த 3. இணையநூ 4. செயற்கைந	- நமிழ்பயக நமிழ்க்கல் லகம் பண்ணறி	-				
Unit - V	கடிதம்எழுதுத 1. அலுவலக 2. விண்ணப் 3. தன்விவர 4. கருத்துவி 5. பத்திரிசை	 லும்கட்((க்கடிதப் பப்படிவ ப்படிவப் ளக்கக்க	ு	ு ம்பயிற்சி	ப்பயிற்சி.		

- 1.அறிவியல்தமிழ்இன்றையநிலை இராதாசெல்லப்பன், உலகத்தமிழாராய்ச்சிநிறுவனம், சென்னை,
- 2.மணவைமுஸ்தபா, தமிழில்அறிவியல்படைப்பிலக்கியம், மணவைபப்ளிகேஷன், சென்னை.

- 3.கலைச்சொல்லாக்கம் மங்கை, சங்கராசபுரம், சென்னை.
- 4.தமிழர்வேளாண்மைமரபுகள் இல),செ.கந்தசாமி
- 5.சங்கஇலக்கியத்தில்வேளாண்சமுதாயம், பெ.மாதையன், நியூசெஞ்சுரிபுக்ஹவுஸ்.
- 6.தமிழில்அறிவியல்இதழ்கள்சாமுவேல்ரா.பார்வேந்தன்ஃபிஷ்கிறீன்பதிப்பகம், கோவை.7.அறிவியல்தமிழ் -பதிப்பாசிரியர்இராதாசெல்லப்பன்,பாரதிதாசன்பல்கலைக்கழகம், திருச்சிராப்பள்ளி,
- 8.இணையத்தமிழ்வரலாறு, மு.பொள்ளவைக்கோ, பாரதிதாசன்பல்கலைக்கழகம்.
- 9.இணையத்தமிழ், சந்திரிகாசுப்பிரமணியம் சந்திரோதயம்பதிப்பகம்.
- 10.இணையமும்இனியதமிழும் துரை, மணியரசன், இசைபதிப்பகம்.
- 11.கணினித்தமிழ், இல. சுந்தரம் விகடன்பிரசுரம்.
- 12.மாண்புமிகுமண், பாமயன், வம்சிபுக்ஸ்.
- 13.தமிழ்இலக்கியத்தில்அறிவியல்சிந்தனைகள்வானதிபதிப்பகம், சென்னை.

• தாய்மொழிவழியாகஅறிவியல்பற்றிச்சிந்திக்கும்திறன்பெற்றிருப்பர்.

• அறிவியல்தமிழ்வளர்ச்சியில்மொழிபெயர்ப்பின்பங்குகுறித்துஅறிந்திருப்பர்.

அறிவியல்கலைச்சொல்லாக்கம்பற்றியவிதிகள், நுணுக்கங்களைத்தெரிந்திருப்பர்.

மொழியறிவோடுசித்தனைத்திறனைப்பெறுவர்.

• மொழிப்பயிற்சிக்குத்தேவையான இலக்கணங்களைக்கற்பர்.

Outcome:

		Semester IV			
Tamil / OL /		Hindi	Credits	H/W	T/P
Course	80141H	हिन्दीभाषाऔरकंप्यूट र	3	4	T
Code:					
Objectives		टरकेबारेमेंहिन्दीमेंजानकारीदेना			
		गिकहिन्दीकाविकाससमझना			
		र्नेंगकेपहलुओंपरप्रकाशडालना			
		ोकीसंशाधनोंकाइस्तेमालकरतेहुएहिन्दीकाप्रयो			
Unit - I		हेन्दी : * कंप्यूटरकापरिक्चयऔरविकास * कं			
Unit - II		रिहन्दी : * यूनिकोड * देवनागरीलिपि * हिन्दी			
Unit - III		Thing and a remaining the re-	विभिन्नई-व	त्रर्निसंसाधन	*
		ौरसरकारीसंस्थाओंमेंप्रयुक्तहिन्दीभाषा			
Unit - IV		: * इंटरनेटपरहिन्दीपत्र-पत्रिकाएँ * हिन्द	रीएस.एम.एस.	हिन्दीटं	कण *
	हिन्दीकेविभिन	`			
Unit - V		क्षापरआधारितकंप्यूटरसंबंन्ध : *हिन्दीमेंपवर्			
			ोमेंगूगलफ़ॉर्मतैय	रिकरना	*
		। ओंकेबारेमेंसूचनाप्रदानदेना			
		र्केंग :नएसमयकासंवाद - संपा. संजयद्विवेदी			
2.जनसंचारऔ	रमासकल्चर् -	जगदीश्वरचतुर्वेदी			
3.मीडिया :भूमं	ंडलीक <u>ु</u> रणऔर	समाज - संपा. संजयद्विवेदी			
4.नएजमानेकी					
5. पत्रकारितासे	मीडियातक - म	ननोजकुमार -			
Outcome:		मेंकंप्यूटरशब्दावलीकाज्ञानप्राप्तकरना।			
		गरीलिपिऔरयूनिकोडकाअंतरजाननाऔरकंप्यृ	टरमेमप्रयोगकर	ना	
		न्नसंस्थानोंमेंप्रयुक्तहिन्दीकीजानकारीदेना।			
		-पत्रिकाओंकोआसानीसेपढलेना।			
	5. प्रतिय	ोगीपरीक्षाओंकेबारेमेंसमझना।			

E		Semester IV	C 1''	TT /TA7	nn /=				
	1	English	Credits	H/W	T/I				
Course	80142	General English - IV	3	4	T				
Code:									
Objectives	1. To help learners imbibe goal-setting attitude.								
		nable them to understand the value of int	egrity.						
	3. To h	elp them deal with emotions.							
	4. To te	each the learners to frame sentences using	g tenses.						
	5. To e	nhance reporting skills.							
Unit - I	Goal Settin	g (UNICEF)							
	Life Story								
	1.1 Fron	n Chinese Cinderella – Adeline Yen Mah							
	1.2 Why	7 I Write - George Orwell							
	Short Essay	y							
	_	Personal Mastery – Robin Sharma							
		he Love of Life – William Hazlitt							
Unit - II	Integrity								
	Short Story								
	2.1 The Taxi Driver – K.S. Duggal								
	2.2 Kabuliwala - Rabindranath Tagore								
	2.3 A Retrieved Reformation – O Henry								
	Extract from a play								
	2.4 The Quality of Mercy (Trial Scene from the Merchant of Venice -								
	Shakespeare)								
	Shakespear	re)							
Unit - III		, and the second							
Unit - III	Coping Wit	re) th Emotions							
Unit - III	Coping Wit Poem	th Emotions							
Unit - III	Coping Wit Poem 3.1 Pride	th Emotions e – Dahlia Ravikovitch							
Unit - III	Coping Wit Poem 3.1 Pride	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou							
Unit - III	Coping With Poem 3.1 Pride 3.2 Phere Reader's Topics Topic	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre	n Carleton						
Unit - III	Coping With Poem 3.1 Price 3.2 Phere Reader's Tolday 3.3 The	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Williar							
	Coping With Poem 3.1 Pride 3.2 Phere Reader's The 3.3 The 3.4 The	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Williar Princess and the God : A Tale of Ancient In							
Unit - III Unit - IV	Coping With Poem 3.1 Pride 3.2 Phere Reader's To 3.3 The 3.4 The Language (th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Williar Princess and the God: A Tale of Ancient In Competency Sentences							
	Coping With Poem 3.1 Pride 3.2 Phere Reader's The 3.3 The 3.4 The Language County 1.1 Simple Poem Poem Poem Poem Poem Poem Poem Poe	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Willian Princess and the God: A Tale of Ancient In Competency Sentences ple Sentences							
	Coping With Poem 3.1 Prick 3.2 Pher Reader's The 3.3 The 3.4 The Language Company 4.2 Company	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Williar Princess and the God : A Tale of Ancient In Competency Sentences ple Sentences upound Sentences							
	Coping With Poem 3.1 Pride 3.2 Phere Reader's The 3.3 The 3.4 The Language Company 4.2 Company 4.3 Co	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Williar Princess and the God : A Tale of Ancient In Competency Sentences ple Sentences upound Sentences							
Unit - IV	Coping With Poem 3.1 Pride 3.2 Phere Reader's The 3.3 The 3.4 The Language Company 4.2 Company 4.3 Co	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Willian Princess and the God : A Tale of Ancient In Competency Sentences ple Sentences apound Sentences aplex Sentences Indirect Speech							
	Coping With Poem 3.1 Prick 3.2 Pher Reader's Them Signature Communication Communicati	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Williar Princess and the God : A Tale of Ancient In Competency Sentences ple Sentences upound Sentences uplex Sentences							
Unit - IV	Coping With Poem 3.1 Prick 3.2 Pher Reader's The 3.3 The 3.4 The Language Company 4.1 Simple 4.2 Company 4.3 Component and Report Writes. 1 Narr	th Emotions e - Dahlia Ravikovitch nomenal Woman - Maya Angelou heatre Giant's Wife A Tall Tale of Ireland - Williar Princess and the God : A Tale of Ancient In Competency Sentences ple Sentences apound Sentences aplex Sentences aplex Sentences aplex Sentences aplex Sentences ariting rative Report							
Unit - IV	Coping With Poem 3.1 Pride 3.2 Pher Reader's The 3.3 The 3.4 The Language Com 4.1 Simp 4.2 Com 4.3 Com Direct and Report Write 5.1 Name 5.2 New	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Willian Princess and the God : A Tale of Ancient In Competency Sentences ple Sentences apound Sentences aplex Sentences Indirect Speech iting rative Report							
Unit - IV	Coping With Poem 3.1 Prick 3.2 Phere Reader's The Second	th Emotions e – Dahlia Ravikovitch nomenal Woman – Maya Angelou heatre Giant's Wife A Tall Tale of Ireland – Willian Princess and the God : A Tale of Ancient In Competency Sentences ple Sentences apound Sentences aplex Sentences Indirect Speech iting rative Report							

Text Books (Latest Editions)

Oxford Practice Grammar, John Eastwood, Oxford University Press Cambridge Grammar of English, Ronald Carter and Michael McCarthy George Orwell Essays, Penguin Classics

Web Resources

http:/www.gradesaver.com/George-orwell-essays/study/summary

O' Henry. A Retrieved Reformation.

https://americanenglish.state.gov/files/ae/resource_files/a-retrieved-reformation.pdf

Maya Angelou. Phenomenal Woman.

https://www.poetryfoundation.org/poems/48985/phenomenal-woman

The Quality of Mercy, https://poemana1ysis.com

https://www'.oxfordscho1ar1yeditions.coin/disp1ay/10.1093/actrade/9780199235742.book.

1/actrade-9780199235742-div1-106- William Hazilitt

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On completion of this course, students will

- 1. Determine their goals
- 2. Identify the value of integrity.
- 3. Deal with emotions.
- 4. Frame grammatically correct sentences
- 5. Write cohesive reports.

			Semester IV				
CC/DSE/NM	E/ SEC		Core Course		Credits	H/W	T/P
Course Code	80143	Commercial Production M	Broiler Ianagement	Chicken	4	4	T
Objectives	 To understand the overview of broiler industry To know the care and management of broiler chicks To understand the feeding management of broilers To provide in depth knowledge broiler production performance To provide in depth knowledge on broiler marketing 						
Unit - I	Broiler Inde Terminology consumption batch system	ustry: in broiler pr n - System of c	oduction - Over commercial broi egration - Com	rview of broler rearing -	All in-all o	ut and m	ultiple
Unit - II	Broiler Chic Broiler Farm arrangemen Brooding ed broiler read managemen	cken Managen a Bio security - t - Brooder ara quipment - Chi ring - Feeding t - Litter ma		ed ready - C rop score as - Watering ighting man	hick receivi ssessment - g managen	ing- Broo - Equipm nent – (ding – lent in Curtain
Unit - III	Broiler Feed Nutrient rec Physical for Quality and	ding: quirements of b m of feed – M Sanitation – e - Seasonal ma	roilers – Types of Mash, Crumble, Pipeline and anagement of b	of broiler fee Pellet Wa Tank Clean	nter manage ning- Feeder	ement – r and D	Water rinker
Unit - IV	Performan Performance Livability -	ce Assessmen t e monitoring – European Effic	t: Weekly growth iency Factor(EE · Day gain – Me	F) - Product	tion Cost - (Converte	d Feed
Unit - V Reference a	Marketing: Birds Lifting - Types of b and Process BCC, NMPPI Managemen	roiler marketin ed Chicken) of 3 on broiler ma t – Challenges a	ency - Customer og – Marketing cl f marketing of b orketing - Trans and suggestions	nannel - Diffo roiler – Role sport of broi	erent Ways of governn ler - Custom	(Wet Mar nent and	keting NGOs,

Reference and Text books:

Narahari D., and Kumararaj R., 2008. *Handbook of applied Broiler Production.* 1st Edition. Poultry Punch Publication (I) Pvt. Ltd., New Delhi.

Charles Burr, T., and Stuart O. Homer, 2011. *Commercial Poultry Farming*. 1st Edition. Biotech Books, New Delhi.

Jadhav N. V., and Siddique M. F., 2007. *Handbook of Poultry Production and Management*. 2nd Edition. Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi.

Bell D. Donald and Weaver D. William Jr., 2007. *Commercial Chicken Meat and Egg Production.* 5th Edition. Springer India Pvt. Ltd., Noida.

Sreenivasaiah., P. V., 2015. *Textbook of Poultry Science*. 1st Edition. Write & Print Publications, New Delhi

Suguna Mar	Suguna Management System: Standard Operating Manual – Broiler, 2012. Suguna Foods Pvt. Ltd.							
Outcome:	On successful completion of the course, the students could							
1. Understand the broiler industry status of our country								
2. Acquire in depth knowledge broiler farm bio security and shed								
	preparation							
	3. Understand the production management of broilers							
	4. Gain knowledge on the importance of broiler production performance							
	5. Gain knowledge on the broiler production and marketing							

СО	P01	P02	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	2	3	3	3	2	3	1	3	3	2
CO2	3	2	3	2	2	2	2	2	3	3
CO3	1	3	3	3	3	3	2	3	3	2
CO4	2	3	3	3	2	2	3	3	3	3
CO5	3	2	3	2	3	3	3	3	2	3
W. AV	2.2	2.6	3.0	2.6	2.4	2.6	2.2	2.8	2.8	2.6

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	3	2
CO2	3	2	3	2	2
CO3	1	3	3	3	3
CO4	2	3	3	3	2
CO5	3	2	3	2	3
W.AV	2.2	2.6	3.0	2.6	2.4

3- Strong, 2- Medium, 1- Low

		Semester IV							
CC/DSE/NM	1E/ SEC	Core Course	Credits	H/W	T/P				
Course Cod	e: 80144	Poultry Diseases, Flock Health and Bio	4	4	T				
		security							
Objectives		ride in depth knowledge on flock health and i							
		erstand the control measures of bacterial an		_	_				
		ride in depth knowledge poultry disease diag							
		erstand the vaccines and vaccination in pou	ltry product	tion					
Unit - I	Viral Disea								
		n – Important terminology - Classification	•						
		Etiology - Signs and lesions - Morbidity		-					
		diagnosis - Treatment - Prevention and							
		ease - Avian Influenza - Infectious Bursal D	isease - Inf	ectious Bro	onchitis				
		ous Laryngo Tracheitis and Fowl Pox							
Unit - II	Bacterial D								
		iseases – Etiology - Transmission - Signs			-				
	_	Diagnosis - Treatment - Prevention ar			illosis -				
		osis - Salmonellosis - Fowl cholera and Infe	ctious Cory	za					
Unit - III		nd Mycotic Diseases:			_				
		seases – Ecto and Endo parasites - Protoz							
		ases - Aspergillosis - Mycotoxicosis – Aflato		d Ochratoxi	icosis -				
		deficiency disease and Metabolic diseases o	f poultry						
Unit - IV	Flock Healt								
		y - Farm fencing - General farm hygier							
		procedures – Quarantine - Isolation - Sh							
	-	- Water sanitation – Sanitizers - Disinfect	ion - Type	s of disinte	ectants -				
		and handling – Fumigation							
Unit - V		and Vaccination:							
		- Types of administration of medicine							
	_ -	feed and water medication - Types and Me			Pre and				
		ation care - Vaccination schedule for breede	r, layer and	broilers					
Reference a	and Text boo	oks:							

Susan E. Aiello and Michael a. Moses, 2014. *Merck Veterinary Manual*. 11th Edition. Merck Vet Manual.

Saif., Y. M., et al., 2013. Diseases of Poultry. 12th Edition. Blackwell Publishing, USA.

Bell D. Donald and Weaver D. William Jr., 2007. *Commercial Chicken Meat and Egg Production.* 5th Edition. Springer India Pvt. Ltd., Noida.

Vegad J. L., 2004. *Poultry Diseases: a guide for farmers and poultry professionals*. 2nd Edition. International Book Distributing Co., Lucknow, UP.

Sreenivasaiah., P. V., 2015. *Textbook of Poultry Science*. 1st Edition. Write & Print Publications, New Delhi

Thyagarajan. D., 2011. *Diseases of Poultry*. 1st Edition. Satish Serial Publishing House, New Delhi, India.

Narahari D., and Kumararaj R., 2008. *Handbook of applied Broiler Production*. 1st Edition. Poultry Punch Publication (I) Pvt. Ltd., New Delhi.

Outcome	On successful completion of the course, the students could
	1. Acquire knowledge on the poultry diseases and bio security measures
	2. Acquired in depth knowledge poultry disease diagnosis

- 3. Understand the impact of fungal and nutritional deficiency diseases
- 4. Gain knowledge on disease preventive measures
- 5. Gain knowledge on poultry vaccination procedures

СО	P01	P02	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	3	2	3	3	2	2	3	2	3	1
CO2	2	2	2	1	1	3	2	3	2	3
CO3	3	3	3	3	2	3	3	2	1	2
CO4	3	2	2	2	3	2	2	2	2	3
CO5	3	2	3	3	2	1	3	1	2	2
W. AV	2.8	2.2	2.6	2.4	2	2.2	2.6	2	2.0	2.2

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	1	3	3	2
CO2	2	2	2	3	3
CO3	3	2	3	3	2
CO4	2	3	3	3	3
CO5	3	3	3	2	3
W.AV	2.6	2.2	2.8	2.8	2.6

3- Strong, 2- Medium, 1- Low

		Seme	ster IV			
CC/DSE/NM	IE/ SEC	Core Co	ourse	Credits	H/W	T/P
Course Code	e: 80145	Practical in Broiler	Management and	3	5	P
		Poultry Diseases				
Objectives		tand the diseases of po	-	neasures		
		he poultry farm biosec	-			
		knowledge on vaccina				
	· •	e in depth knowledge o		equipment		
		tand the commercial b				
1.		ut and construction of	<u> </u>			
2.		uipment and brooding	9	oiler chicks		
3.		ials, quality and its ma				
4.		e Assessment of comm				
5.		n examination of chick				
6.		and medication metho	ds and procedures			
7.	Visit to broi	er farm				
8.		and personal safety me				
9.		tion methods and drin	ker maintenance			
10.		osal methods				
Outcome:		al completion of the co				
		d the poultry diseases				
	-	ı depth knowledge on p	-	rity measures		
		d the commercial broi	-			
		d the importance of va				
	5. Better kno	owledge on broiler farm	n performance assess	ment		

СО	P01	PO2	PO3	P04	P05	P06	P07	P08	P09	PO10
CO1	2	2	3	3	2	3	2	1	2	3
CO2	3	3	3	2	3	2	3	2	3	3
CO3	1	1	3	2	2	3	2	2	2	3
CO4	3	2	3	3	2	2	3	2	3	3
CO5	3	2	3	2	3	2	3	3	2	3
W. AV	2.4	2.0	3.0	2.4	2.4	2.4	2.6	2	2.4	3.0

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	1	2	2
CO2	3	3	3	3	3
CO3	2	2	2	3	2
CO4	3	3	3	3	3
CO5	3	3	2	3	3
W.AV	2.8	2.6	2.2	2.8	2.6

3- Strong, 2- Medium, 1- Low

			Semester I	V							
CC/DSE/NM	E/ SEC		Allied Cour	se		Credits	H/W	T/P			
Course Code	: 80146	Poultry	Processing	and	Waste	3	3	T			
		Manager	nent								
Objectives			erview of chick				g				
			uality character			S					
		_	gg processing ted								
	-	e in depth l	epth knowledge broiler meat processing and quality								
	control										
			nowledge on po	ıltry wa	ste mana	gement					
Unit - I	Egg Quality:										
	Chicken Egg - formation and structure - Nutritional and Functional										
	characteristics of eggs - Internal and external quality of eggs - Preservation of table eggs- Grading of table eggs										
TI-sia II			able eggs								
Unit - II	Egg Process	_	ortongo of ogg n	nogogaj	ng Dlan	larrout an	d dogian	of ogg			
			ortance of egg p nciples involved								
			aration –Egg desugrization - Pasteurization - Types of egg powder - ol measures – Packaging of egg powder								
Unit - III	Poultry Mea			21 088 P	o vv do i						
	-		y meat process	ing – P	lan, lavou	it and des	sign of po	oultry			
			ipment used in								
			of slaughter – Ar								
	chicken Pro	cessing -	Dressing percen	tage - (Carcass G	rading - (Cut-up-pa	arts –			
	Chilling - Fre	eezing and	Packaging of po	ultry m	eat						
Unit - IV			ultry Products:								
			lity deterioration		~ ~						
			Modern trends								
	-		sportation of Poi	-		-		_			
	_		egulation for foo	d produ	icts safety	- Regulati	ons for in	nport			
** **	and export of		products								
Unit - V	Waste Mana	•	- C t - C	1		1 41		.			
			of waste from p	-	-		•	_			
			g plant - Liquid v								
	•	_	y waste management - Composition of poultry manure - ultry manure - Bio gas generation - Bio gas plant - Composting								
		-	- Dead bird disp	_			-	_			
	nd Text bool		- Deau Diru uisp	osai dii	u Diu-ilaz	aius vi Fu	uiu y was	ie			

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Mahendra Kumar, Waste disposal systems in slaughterhouse suitable for developing countries, 2011, Dya publishing house, Delhi.

Alan R Sams Ph.D, Poultry Meat Processing, Washington Crc Press

Dr. Thulasi, Dr. V.Appa Rao, Dr. T. Santhil Kumar, *Hygienic Meat Handling System, 2008,* Directorate Of Extension Education, Chennai.

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Mahendra Kumar, *Waste disposal systems in slaughterhouse suitable for developing countries*, 2011, Daya publishing house, Delhi

Outcome:

On successful completion of the course, the students could

- 1. Understand the broiler and table egg processing
- 2. Acquire in depth knowledge on grading and quality characteristics of Table eggs
- 3. Understand the broiler meat processing technology
- 4. Understand the importance of broiler meat quality control
- 5. Gain knowledge on the poultry farm waste management

Mapping Course Outcome VS Programme Outcomes

СО	P01	PO2	P03	PO4	P05	P06	P07	P08	P09	PO10
CO1	2	2	3	2	3	3	3	3	3	2
CO2	3	2	2	2	2	3	3	3	2	3
CO3	3	2	2	2	2	3	3	3	3	3
CO4	3	1	1	2	2	3	3	3	2	3
CO5	3	3	2	2	1	3	3	3	3	3
W. AV	2.8	2	2.0	2.0	2.0	3.0	3.0	3.0	2.6	2.8

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	1	2	1	2	3
CO2	3	3	3	2	3
CO3	2	3	2	2	2
CO4	2	3	3	1	2
CO5	2	3	1	3	1
W.AV	2.0	2.8	2.0	2.0	2.2

3- Strong, 2- Medium, 1- Low

		Semester IV								
CC/DSE/NM	IE/ SEC	Allied Course	Credits	H/W	T/P					
Course Code	e: 80147	Practical in Poultry Processing and	2	4	P					
		Waste Management								
Objectives	1.To underst	and the overview of egg and meat process	ing							
		bout the quality characteristics of table egg	;s							
		and the egg processing technology								
	4. To provide	in depth knowledge broiler meat processing	ng and qualit	ty						
	control									
	-	in depth knowledge on poultry waste man								
1.		External and internal quality assessment of chicken egg								
2.	Grading of ta	ble eggs								
3.	Ante morten	n inspection of broilers								
4.	Processing of	f broiler chicken								
5.	Visit to egg p	processing plant								
6.	Visit to poul	ry processing plat								
7.	Visit to rend	ering plant								
8.	Poultry farm	waste management								
9.	Visit to hatch	nery unit								
10.	Visit to bio g	as production unit								
Outcome:		l completion of the course, the students co	uld							
		d the broiler and table egg processing								
	-	depth knowledge table egg grading and qua	ality							
		d the broiler meat processing technology								
		d the importance of broiler meat quality co								
	5. Gain know	ledge on the poultry farm waste manageme	ent							

CO	P01	PO2	PO3	P04	P05	P06	P07	P08	P09	P010
CO1	2	3	3	2	2	2	3	3	2	1
CO2	2	2	3	1	1	1	3	2	2	2
CO3	2	2	3	3	3	3	3	3	3	2
CO4	2	2	3	3	2	3	2	3	2	2
CO5	2	1	3	3	2	2	3	3	1	3
W. AV	2.0	2.0	3.0	2.4	2.0	2.2	2.8	2.8	2.0	2

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	3	2
CO2	3	2	3	3	3
CO3	3	1	2	2	3
CO4	2	3	1	3	2
CO5	2	2	3	2	3
W.AV	2.4	2.0	2.4	2.6	2.6

3- Strong, 2- Medium, 1- Low

Semester V

CC/DSE/NM	IE/ SEC	Core Course	Credits	H/W	T/P							
Course Cod	e: 80151	Commercial Layer Chicken	4	4	T							
		Production Management										
Objectives	1. To unders	tand the chicken layer industry										
		he layer commercial layer management										
	_	knowledge on layer housing system and its	_									
	4. To provide	e in depth knowledge on identification of god	od and poor l	ayer								
		n the performance assessment on commer	cial layer									
	Production											
Unit - I	Egg Industr	y:										
		Terminology in layer production – Layer production status- Recent developments in										
	"	ayer industry - Role of National Egg Coordination Committee (NECC) - Economic										
	_	raits in layers - Commercial strains of layers - Layer production - Housing system -										
		Deep litter, Cage and Raised Platform Cage housing										
Unit - II		nd Growing Management:										
	_	Biosecurity - Preparation of house to			_							
	_	ts – Brooding of chicks – Brooding equipr		_	_							
	_	t – Litter management – Lighting mana	•									
		- Cage rearing of chicks and growers -										
		e – Stocking density – Debeaking – Manage	ment of wea	k birds - D	ipping							
TT '- TTT	and deworm											
Unit - III	Laying Man		Dl.	1	1							
	_	t of layers – Lighting management –		-	-							
		t of layers – Feeding and watering mana practices in Cage management - Culling – (
		t – Moulting - Medication and vaccination o		or layers -	Littei							
Unit - IV	Egg Produc		1 layers									
Ollit - IV		ion – Egg production curve - Collection of e	age Storago	and trans	nort of							
		Marketing channels - Seasonal Managemen			-							
		n management	it of layers –	Julillici,	VV IIICCI							
Unit - V		ce Assessment:										
Jiiit · V		e monitoring – HDEP, HHEP – Feed Efficien	cv - Net feed	efficiency	index -							
		e efficiency index - Egg, Feed price ration	-	-								
		ntenance - Importance of record keeping - Registers to be main										
		ol systems (VCS)	1108101010									
Reference	and Text boo											

Reference and Text books:

Charles Burr, T., and Stuart O. Homer, 2011. *Commercial Poultry Farming*. 1st Edition. Biotech Books, New Delhi.

Jadhav N. V., and Siddique M. F., 2007. Handbook of Poultry Production

Sreenivasaiah., P. V., 2015. *Textbook of Poultry Science*. 1st Edition. Write & Print Publications, New Delhi

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Hurd M. Louis, 2003. Modern Poultry Farming. 1st Edition. International Book Distributing

Company, Li	uck now							
Outcome:	On successful completion of the course, the students could							
	1. Understand the existing layer industry							
	2. Acquire in depth knowledge on commercial layer housing management							
	3. Understand the commercial layer production and table egg production							
	4. Understand the importance of collection and storage of table eggs							
	5. Gain knowledge on layer farm performance assessment							

СО	P01	PO2	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	2	2	3	2	3	3	2	1	2	2
CO2	2	2	3	2	2	3	3	3	3	3
CO3	3	2	3	2	3	2	2	2	3	2
CO4	3	2	3	3	3	3	3	3	3	3
CO5	3	3	3	2	3	3	3	2	3	3
W. AV	2.6	2.2	3.0	2.2	2.8	2.8	2.6	2.2	2.8	2.6

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	3	3	2	2
CO2	1	2	2	2	3
CO3	3	3	2	3	2
CO4	3	2	3	3	3
CO5	2	3	2	2	2
W.AV	2.2	2.6	2.4	2.4	2.4

3- Strong, 2- Medium, 1- Low

			Sei	nester V				
CC/DSE/NM			Core Course			H/W	T/P	
Course Cod	e: 80152		ry Production Seting	on Economics and	4	4	T	
Objectives	1. To Understand the economics of poultry production							
	2. To know about the scope of financial assistance in poultry sector							
	3. To have an in depth knowledge on the preparation of bankable projects							
	4. To provide in depth knowledge on poultry marketing strategies							
TIi4 T	5. To understand the poultry insurance policy							
Unit - I	Poultry Economics: Commonly used terminology - Micro economics - Macroeconomics - Financial							
	management - Production standards and goals in chicken production – Sta							
	poultry enterprise – Requirements of Financial Assistance – Cost of producti table egg, hatching egg, day-old chick, compounded feed and broilers							
Unit - II	Poultry Integration:							
	Definition of integration - Concepts of integration - Types of integration -							
	Advantages and Constraints of integration methods - Organization set up for broiler							
	integration and layer integration – Breeder farm integration - Market integration -							
	Role of integrator in poultry egg and meat production - Integration and rural							
** ** ***	development Projler Mankating							
Unit - III	Broiler Marketing:							
	Scope of poultry products marketing in India – Strategies of poultry marketing - Organizational structure of broilers and poultry meat marketing – BROMARK, BCC,							
	NMPPB - Broiler live bird marketing methods - Broiler contract farming - Farmer							
	and trader relationship management – Broiler marketing challenges and							
	opportunities							
Unit - IV	Egg Marketing:							
	EGG marketing systems - Organizational structure of egg marketing - NECC, ACIL,							
	NAFED - Egg marketing channels - Role of traders - Challenges and opportunities on							
	egg marketing							
Unit - V	Poultry Insurance:							
		Poultry insurance - Comprehensive cover for poultry farms - Formula for						
	determining the valuation chart for broiler and layers – Rates of premium- Procedure for claim settlement							
Reference a			i settlement					
			d Economics, 20	005. Pixie publications	(I) PVT Ltd.			
	_	-		chicken Production Ma			Pub.Co.	
Inc., Westpo								
Bell D. Dona	ald and We	aver D. V	William Jr., 20	07. Commercial Chicke	en Meat and I	Egg Produ	ction.	
5th Edition.								
•			•	t Edition. Alfa Publicat				
				r Poultry Entrepreneurs		ech Books.		
Outcome:	On successful completion of the course, the students could							
	1. Understand the economics of poultry production							
	2. Acquire in depth knowledge on the preparation of bankable projects3. Understand the poultry marketing strategies							
		-	_	0	minable ares	zth.		
				ultry insurance for sust	_	V UII		
5. Gain knowledge on the financial assistance for the poultry sector								

СО	P01	PO2	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	2	3	3	2	2	3	2	2	3	1
CO2	3	3	2	1	3	2	2	3	3	2
CO3	2	3	3	3	1	2	3	3	3	2
CO4	3	3	2	3	2	2	3	3	3	2
CO5	2	2	3	2	2	3	3	3	3	3
W. AV	2.4	2.8	2.6	2.2	2.0	2.4	2.6	2.8	3.0	2

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	3
CO2	1	1	3	2	2
CO3	3	2	3	2	3
CO4	3	2	3	3	3
CO5	3	3	3	2	3
W.AV	2.4	2	3.0	2.2	2.8

3- Strong, 2- Medium, 1- Low

			Sen	nester V							
CC/DSE/NM	E		Core C	Course		Credits	H/W	T/P			
Course Code	:: 80153			Technology	and	4	4	T			
T		Value Ad									
Objectives				ince of value a			eat				
				f chicken egg a							
		3. To have an in depth knowledge on quality enhancement of chicken egg 4. To provide in depth knowledge products preparation from poultry meat									
	-	e in depth	knowledge p	products prepa	ration f	rom poultry	meat				
	and egg	tond the a	سطموم مطالمي	al and nuarrailin	a a larra	on food need	du ata				
Unit - I			uanty contro	ol and prevailii	ng laws	on 100a proc	aucts				
Ullit - I	Egg Quality		roducte dov	elopment - Ni	ıtritiyo	value of oge	ac Intorn	nal and			
	-			nal Property o			_				
			-					-			
	_	ovi-positional value addition of eggs – Designer egg production – Organic Egg production									
Unit - II		Egg Products:									
			gg to egg pr	oducts – Impo	ortance	-Hard cook	ed eggs -	Pickled			
				- Fried Eggs –							
	drinks – Egg	g Snack foc	d - Packagi	ng of egg prod	lucts						
Unit - III	Poultry Mea	•									
				at – Factors							
				Proximate con							
			Value of me	at – Texture p	rofile of	meat – Sen	sory evalua	ation of			
Unit - IV	poultry mea		ta.								
Ullit - IV	Poultry Me			mportance of	furthar	Processing	of poultry	meat -			
		-	-	ration of Read		_					
	_		-	t products – C	-						
	_	_	-	tort processing		_					
				sport of poulti			F				
Unit - V	Quality Ass			•	-	•					
	Microbial sa	afety of po	ultry egg a	nd meat prod	ucts – I	Food safety	and standa	rds Act			
		_	_	of food busine			-				
			-	ied in Codex A			-				
		-		tole of WTO, IS							
	-	_	oultry mea	t, egg and th	neir pr	oducts - Q	uality and	safety			
	managemen										

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Dr. K Sundaresan, Dr. K Vanukopalan, Dr. K Subramanian, Dr. A Shyam Babu, *Meat and Meat Products*, Madras Veterinary College, Chennai.

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- 1. Understand the importance of value addition of chicken egg and meat
- 2. Acquire in depth knowledge on quality improvement of eggs
- 3. Understand the egg products preparation and quality control
- 4. Understand the importance and nutritive value of poultry meat
- 5. Gain knowledge on the poultry egg and meat products quality control

Mapping Course Outcome VS Programme Outcomes

СО	P01	PO2	P03	PO4	PO5	P06	P07	P08	P09	PO10
CO1	3	3	3	2	2	2	2	3	3	3
CO2	1	2	1	2	2	2	1	3	3	2
CO3	2	1	2	1	1	2	1	3	3	2
CO4	2	3	3	3	3	2	3	3	3	2
CO5	3	3	2	3	3	3	3	3	3	3
W. AV	2.2	2.4	2.2	2.2	2.2	2.2	2.0	3.0	3.0	2.4

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	2	2	3	3
CO2	2	2	3	3	2
CO3	3	2	2	2	2
CO4	3	3	3	3	2
CO5	3	3	3	2	3
W.AV	2.8	2.4	2.6	2.6	2.4

3- Strong, 2- Medium, 1- Low

		Semester V							
CC/DSE/NM	IE / SEC	Core Course	Credits	H/W	T/P				
Course Code	e: 80154	Diversified Poultry Production	4	4	T				
Objectives		awareness on importance of diversified		ction					
		tand on the management of ducks and go							
	_	e knowledge on turkey, quail and guinea	-						
		e in depth knowledge on emu and ostrich	•	t					
		tand the pet birds managerial procedure	S						
Unit - I		nt of Ducks and Quails:							
		eds of ducks - Incubation- Systems of							
	_	t – Management of egg and meat type		ing requir	ements				
	_	ment – Vaccination and medication proc							
		uail – Breed / Variety characteristics -							
	Brooder management - System of rearing - Feeding requirements and								
		t – Management of egg and meat type qu	ıails						
Unit - II		nt of Turkey and Guinea Fowl:	. 5	,					
		eeds of turkey - Incubation - Housing s							
	-	rearing - Feeding requirements an	_						
		- Turkey Egg and meat production sys							
		Housing system - Incubation - Brooder m	•	System or	rearing				
11		requirements – Egg and meat production	1						
Unit - III		strich Management:	t E-14	1	Г				
		ing - Brooding and Rearing managen							
		- Emu nutrition and breeder managem							
		tems - Sex identification - <i>Ostrich</i> : He	_						
	_	Brooding - Ostrich paediatrics and rea							
	Products fro	ts - system of feeding - Sex identificat	Joil – Sex Se	parate rea	aring –				
Unit - IV		nt of Pet Birds:							
Ollit - IV	_	House design - Aviary – Perches – Bree	ding Uand	rooring Ch	voice of				
		ts - House design - Aviary – Perches – Biee	0	_					
		reon: House design - Aviary – Ferches – Br							
	production	9	aring - Choic	e of feed -	Squab				
Unit - V		nagement and Biosecurity:							
Offic - V		ducks and its control measures - Dise	aces of turke	wand ite	control				
		Diseases of quail and its control measures							
		rol measures – Diseases of Emu and Ostri		_					
Reference a	nd Text boo		ien Discuses	or per bir	ш.				
		A. Rajmanohar, G and Murugan, M. 20	13 Emeraina	Onnortur	nities in				
		ng Systems. Satish Serial Publishing Hous		Оррогии	iteles in				
		oultry Science. International Book Distrib		ıv					
Outcome:		al completion of the course, the students		- <u>J</u>					
- accome.		d the importance diversified poultry pro							
		n depth knowledge on duck egg and meat							
	_	d the Japanese quail Management	production						
		d the importance of turkey and guinea fo	owl managem	ent					
		vledge on the commercial production of p	_	.0110					
	J. Gain Knov		JCC DII G						

СО	P01	PO2	P03	PO4	PO5	P06	P07	P08	P09	PO10
CO1	3	1	2	2	2	2	2	2	3	3
CO2	2	2	3	1	1	2	1	2	2	1
CO3	3	2	3	2	3	1	3	2	3	2
CO4	3	3	3	3	2	3	3	2	2	2
CO5	3	3	3	3	2	3	3	2	2	3
W. AV	2.8	2.2	2.8	2.2	2.0	2.2	2.4	2	2.4	2.2

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	3	2	3
CO2	3	3	3	2	3
CO3	2	3	2	2	2
CO4	3	3	3	2	2
CO5	2	3	2	3	1
W.AV	2.4	2.8	2.6	2.2	2.2

3- Strong, 2- Medium, 1- Low

		Semester V	Semester V										
CC/DSE/NM	IE/SEC	Core Course	Credits	H/W	T/P								
Course Code	e: 80155	Practical in Commercial Layer	4	6	P								
		Management and Poultry Economics											
		and Marketing											
Objectives		tand the commercial layer maintenance											
		the judging of good and poor											
		knowledge on vaccination of layer breeder											
		e in depth knowledge on economics of poul											
		tand the commercial broiler and table egg r	narketing cha	nnel									
1.		and Design of commercial layer farm			,								
2.		nsity – floor, feeder and drinker space requi	rements of co	mmercial	layers								
3.		e standards of commercial layers											
4.		Brooding arrangements and Brooding equipment											
5.		and deworming											
6.		ood and poor layers											
7.		of commercial layers											
8.		oing in layer farm											
9.		paration for commercial layers and broilers											
10.		paration for breeder farm											
11.	-	uction of broiler chicken											
12.		uction of table eggs											
13.	-	uction of hatching eggs and day old chicks											
14. 15.	Egg marketi												
16.		ken marketing channel											
17.		grated broiler farm mercial layer farm											
Outcome:		ul completion of the course, the students co	uld										
outcome:		ad the layer management and its performan											
		in depth knowledge on vaccination of layers											
		id the economics of poultry production	•										
		nd the economies of pouldy production and the importance of marketing channel on	egg and hroi	lers									
		owledge on layer farm economics and cost of production											
	S. Detter Kill		- production										

СО	P01	PO2	P03	P04	P05	P06	P07	P08	P09	PO10
CO1	2	2	3	2	2	2	2	2	3	2
CO2	1	2	3	2	2	2	3	2	3	2
CO3	2	3	3	2	2	2	2	2	3	2
CO4	3	2	3	3	2	2	2	3	3	2
CO5	3	3	3	3	3	2	3	3	3	2
W. AV	2.2	2.4	3.0	2.4	2.2	2.0	2.4	2.4	3.0	2.0

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	3	2
CO2	3	1	2	3	2
CO3	2	2	1	3	2
CO4	2	3	3	3	2
CO5	3	3	3	3	2
W.AV	2.4	2.2	2.2	3.0	2.0

3- Strong, 2- Medium, 1- Low

Semester V									
CC/DSE/NM	CC/DSE/NME/ SEC		Core	Course		Credits	H/W	T/P	
Course Code	e: 80156	Practical	in		Products	4	6	P	
			and	Diversified	Poultry				
		Production							
Objectives		1.To understand the overview of egg and meat products technology2. To know about the quality characteristics of table eggs and chicken meat							
							n meat		
		tand the egg a							
		e in depth kno	wledge	e importance (of diversif	ied poultry			
	productio		1	1	C - J 14	1:	1		
	1. To provid	de in depth kr	iowied	ige on diversi	mea pouit	ry aisease co	ontroi		
1		us of oggs							
1. 2.	Nutritive val Grading of e								
3.		roperty of egg	gs						
<u>4.</u> 5.		s preparation							
6.		orocessing pla ue of chicken							
7.				ant.					
8.		luation of chic cessing of chic			Darte Dob	oning Marin	ation		
9.		ducts prepara		ieat – cut op	i ai w, Deb	oming, marm	auon		
10.		ng requiremen							
11.		sing requirem							
12.		ail housing re		nent					
13.	, i	rich manager							
14.	Requiremen								
15.	_	κ, Turkey and	Japane	ese quail farm	ıs				
16.	Visit to Emu	Visit to Emu and Ostrich farms							
17.	Visit to Pet l	Visit to Pet bids aviary							
18.	Vaccination schedule for diversified poultry								
Outcome:	On successful completion of the course, the students could								
	1. Understand the importance of value addition of egg and meat								
	2. Acquire in depth knowledge on quality characteristics of chicken egg								
	and meat				_	_			
		d the poultry							
		d the importa		-			_	ement	
	5. Gain knov	vledge on the o	liversi	fied poultry d	lisease cor	itrol measur	es		

СО	P01	P02	P03	P04	P05	P06	P07	P08	P09	PO10
C01	2	3	3	3	2	2	1	3	2	2
CO2	2	2	2	3	2	3	2	2	3	2
CO3	2	2	2	3	2	2	2	1	2	2
CO4	3	2	2	2	3	2	3	2	2	2
CO5	2	2	1	2	3	2	3	3	2	3
W. AV	2.2	2.2	2.0	2.6	2.4	2.2	2.2	2.2	2.2	2.2

3- Strong, 2- Medium, 1- Low

СО	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	2	2	2	3	2
CO2	2	3	2	3	2
CO3	2	2	1	3	2
CO4	3	2	3	3	2
CO5	2	3	3	3	2
W.AV	2.2	2.4	2.2	3.0	2.0

3- Strong, 2- Medium, 1- Low

	Semester VI							
CC/DSE/NM	IE/ SEC	DSE	Credits	H/W	T/P			
Course Code	e: 80161	Internship		24	30	I		
Objectives	1. To ui	1. To understand the poultry industry as whole						
	2. To	provide experience in	integrated br	oiler pr	oduction	and		
		management						
		quire in depth knowledge i		_				
		npart hands on training	on the day old	d chick p	roductior	1 and		
		ery management	_					
		iderstand the poultry disea						
		ve an in depth knowledge			logy			
Directions		I semester students will be			C 11 .			
		group will undergo hands	on training in ea	ich of the	following	units		
		in cyclic manner						
		At the end they have to submit a detailed report of their Internship training programme by a committee constituted by University / Head of						
		• • •	ittee constitutet	i by onive	isity / ne	au oi		
	the Institute. Marks will be awarded based on the students presentation							
	Name of uni			f days	1	-		
1.		Broiler units	25	, uays				
2.	Breeder unit		25					
3.	Hatchery un		25					
4.		ase Diagnostic Laboratory	15					
5.	Feed mill un		10					
6.	Poultry Proc		5					
Outcome:	Understand the activities involved in poultry sector							
	2. Acquire knowledge on integrated broiler production, management and							
	marketing							
	3. Acquire in depth knowledge in breeder farm management and hatching							
	egg production							
	4. Hand	4. Hands on experience on day old chick production and hatchery						
		gement						
	_	ire knowledge in poultry d	_			res		
	6. Expe	rtise in poultry feed produc	6. Expertise in poultry feed production and feed mill technology					

СО	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010
CO1	2	3	3	3	2	2	3	3	2	2
CO2	2	3	2	3	2	3	2	2	3	2
CO3	3	2	2	3	2	3	2	3	3	2
CO4	3	3	2	2	3	2	3	2	3	3
CO5	3	2	3	2	3	2	3	3	3	3
W. AV	2.6	2.6	2.4	2.6	2.4	2.4	2.6	2.6	2.8	2.4

3- Strong, 2- Medium, 1- Low

1_1	Tarphing course entering 1511 of the specimes					
СО	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	2	2	2	3	2	
CO2	2	3	2	3	3	
CO3	2	2	3	3	3	
CO4	3	2	3	3	3	
CO5	3	3	3	3	2	
W.AV	2.4	2.4	2.6	3.0	2.6	

3- Strong, 2- Medium, 1- Low

UG Programme

Passing minimum

- A candidate shall be declared to have passed in each course if he/she secures not less than 40% marks in the End Semester Examinations and 40% marks in the Internal Assessment and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- The passing minimum for CIA shall be 40% out of 25 marks (i.e.10 marks) in Theory/Practical Examinations.
- The passing minimum for University Examinations shall be 40% out of 75 marks (i.e. 30 marks) for Theory /Practical papers.
- The candidates not obtain 40% in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing the CIA tests or by submitting assignments.
- Candidates, who have secured the pass marks in the End-Semester Examination and in the CIA but failed to secure the aggregate minimum pass mark (E.S.E + C I.A), are permitted to improve their Internal Assessment mark in the following semester and/or in University examinations.
- A candidate shall be declared to have passed in the Dissertation/Project report/Internship report if he/she gets not less than 40% marks in the Internal Assessment and End Semester Examinations and not less than 40% in the aggregate, taking Continuous assessment and End Semester Examinations marks together.
- A candidate who gets less than 40% in the Dissertation / Internship/ Project Report must resubmit the thesis. Such candidates need to take again the Viva-Voce on the resubmitted report/thesis.

18.2 Grading of the Courses

The following table gives the marks, Grade points, Letter Grades, and classifications meant to indicate the overall academic performance of the candidate.

Conversion of Marks to Grade Points and Letter Grade (Performance in Course / Paper)

RANGE OF	GRADE	LETTER	COURTION
MARKS	POINTS	GRADE	SCRIPTION

- 100	9.0 – 10.0	0	tstanding
- 89	8.0 – 8.9	D+	ellent
- 79	7.5 – 7.9	D	tinction
- 74	7.0 – 7.4	A +	y Good
- 69	6.0 – 6.9	A	od
- 59	5.0 – 5.9	В	erage
- 49	4.0 – 4.9	C	isfactory
- 39	0.0	U	appear
SENT	0.0	AAA	SENT

- a) Successful candidates passing the examinations and earning a GPA between 9.0 and 10.0 and marks from 90 100 shall be declared to have Outstanding (O).
- b) Successful candidates passing the examinations and earning GPA between 8.0 and 8.9 and marks from 80 89 shall be declared to have Excellent (D+).
- c) Successful candidates passing the examinations and earning GPA between 7.5 7.9 and marks from 75 79 shall be declared to have Distinction (D).
- d) Successful candidates passing the examinations and earning GPA between 7.0 7.4 and marks from 70 74 shall be declared to have Very Good (A+).
- e) Successful candidates passing the examinations and earning GPA between 6.0 6.9 and marks from 60 69 shall be declared to have Good (A).
- f) Successful candidates passing the examinations and earning GPA between 5.0 5.9 and marks from 50 59 shall be declared to have Average (B).
- g) Successful candidates passing the examinations and earning GPA between 4.0 4.9 and marks from 40 49 shall be declared to have Satisfactory (C).
- h) Candidates earning GPA between 0.0 and marks from 00 39 shall be declared to have Re-appear (U).
- Absence from an examination shall not be taken as an attempt.
 From the second semester onwards the total performance within a semester and continuous performance starting from the first semester are indicated respectively
 by Grade Point Average (GPA) and Cumulative Grade Point Average (CGPA).
 These two are calculated by the following formulate

GRADE POINT AVERAGE (GPA) = $\Sigma_i C_i G_i / \Sigma_i C_i$

GPA = Sum of the multiplication of grade points by the credits of the courses

Sum of the credits of the courses in a Semester

18.3 Classification of the final result

The final result of the candidate shall be based only on the CGPA earned by the candidate.

- a) Successful candidates passing the examinations and earning CGPA between 9.5 and 10.0 shall be given Letter Grade (O+) and those who earned CGPA between 9.0 and 9.4 shall be given Letter Grade (O) and declared to have First Class –Exemplary*.
- b) Successful candidates passing the examinations and earning CGPA between 7.5 and 7.9 shall be given Letter Grade (D), those who earned CGPA between 8.0 and 8.4 shall be given Letter Grade (D+) and those who earned CGPA between 8.5 and 8.9 shall be given Letter Grade (D++) and declared to have First Class with Distinction*.
- c) Successful candidates passing the examinations and earning CGPA between 6.0 and 6.4 shall be given Letter Grade (A), those who earned CGPA between 6.5 and 6.9 shall be given Letter Grade (A+), and those who earned CGPA between 7.0 and 7.4 shall be given Letter Grade (A++) and declared to have First Class.
- d) Successful candidates passing the examinations and earning CGPA between 5.0 and 5.4 shall be given Letter Grade (B) and those who earned CGPA between 5.5 and 5.9 shall be given Letter Grade (B+) and declared to have passed in the Second Class.
- e) Successful candidates passing the examinations and earning CGPA between 4.0 and 4.4 shall be given Letter Grade (C) and those who earned CGPA between 4.5 and 4.9 shall be given Letter Grade (C+) and declared to have passed in the Third Class.
 - f) Absence from an examination shall not be taken as an attempt.

Final Result

CGPA	Grade	Classification of Final Result
9.5 – 10.0 9.0 and above but below 9.5	0+	First Class – Exemplary*
8.5 and above but below 9.0 8.0 and above but below 8.5 7.5 and above but below 8.0	D++ D+ D	First Class with Distinction*
7.0 and above but below 7.5 6.5 and above but below 7.0 6.0 and above but below 6.5	A++ A+ A	First Class

5.5 and above but below 6.0 5.0 and above but below 5.5	B+ B	Second Class
4.5 and above but below 5.0 4.0 and above but below 4.5	C+ C	Third Class
0.0 and above but below 4.0	U	Re-appear

 $CUMULATIVE\ GRADE\ POINT\ AVERAGE\ (CGPA) = \Sigma_n\ \Sigma_i\ C_{ni} \quad G_{ni}\ /\ \Sigma_n\ \Sigma_i\ C_{ni}$

CGPA = Sum of the multiplication of grade points by the credits of the entire programme

Sum of the credits of the course for the entire Programme

Where 'Ci' is the Credit earned for Course i in any semester; 'Gi' is the Grade Point obtained by the student for Course \underline{i} and 'n' refers to the semester in which such courses were credited.

CGPA (Cumulative Grade Point Average) = Average Grade Point of all the Courses passed starting from the first semester to the current semester.

Note: * The candidates who have passed in the first appearance and within the prescribed Semesters of the UG Programme (Major, Allied, and Elective courses alone) are eligible for this classification.