Certificate Course in Research Methodology (CCRM)

Syllabus and Curriculum

2022

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National Library of Sri Lanka

VISION

Being the national knowledge center provides all access to library and information services.

MISSION

Creating a knowledge society through the preservation of the intellectual heritage of the nation. Development of National library and information system.

Encouraging the utilization of information and communication technology for effective library service. Providing bibliographical services and assisting with book publication.

INTRODUCTION

The National Library of Sri Lanka was established on 27th April 1990. Ceylon National Library Services Board Act No.17 of 1970 provided the legal base for the National Library in its initial period. The National Library and Document Services Board's new amendment, Act No. 51, was introduced in 1998. The powers and responsibilities of the National Library were spelled out for the first time, and this was a fulfillment of a long-felt need. It has become arduous to organize and introduce this new institution to the country and the general public.

The National Library is mainly a research and reference library, the main library and information center in Sri Lanka. It intends to provide library resources and information to all Sri Lankans through the National Library. The current library material stock of approximately 1,000,000 volumes will form the nucleus of the future national collection.

Currently, the National Library of Sri Lanka is conducting several money-oriented workshop series for the public on research methodology, book building, and training programs for librarians on book building, conservation and preservation, library automation, soft skills, and capacity development programs. Therefore, National Library has identified timely essential courses for the general public and the library staff of the county. Thus, it has recognized suitable resource persons for the relevant field.

JUSTIFICATION

The course appeals to those who need a better understanding of research methodology to deploy it in their studies or professional fields. Prior knowledge or experience in research is not essential to enroll in this course and is for everyone. This entire course will provide knowledge through all steps of designing and conducting research, from formulating the research problem to the final stage of writing a report.

AIM

- To provide a better understanding of research methodology.

OBJECTIVES

The objectives of this Certificate Course are as follows:

1. To give a comprehensive understanding of social research
2. To evaluate literature from a variety of sources relevant to the research objectives
3. To provide an in-depth understanding of data collection techniques
4. To put forward better guidance for writing a research proposal

PROGRAMME LEARNING OUTCOMES:

Upon successful completion of the CCRM, students will be able to;

- Demonstrate theoretical and practical knowledge of research methodology.
- Recognize to do proper synopsis writing.
- Describe fundamental rules of data analysis.
- Practice essential research ethics

ENTRY QUALIFICATIONS:

Minimum qualification is sat for G.C.E. O/L

ADMISSION PROCESS

Applicants should produce a duly completed application from the National Library of Sri Lanka.

Applicants are required to appear for an interview. The number of candidates enrolled in the programme will vary from time to time, up to 50, according to the availability of resources and other facilities.

FEES

The course fee includes registration fee, examination fee, course fee, library fee, and IT/ The NLSL will decide on computer literacy.

For each re-sitting of examinations, an additional fee will be charged per course as per the Recommendation of the NLSL Director board.

Target Group:

This certificate course is designed for participants, undergraduates, graduates, and professionals interested in or obliged to gain knowledge to improve skills in research methodology.

Course Duration: 15 Weeks (90 Hours) Weekends

Medium of Instruction: English / Sinhala

Course Fee: Rs. 30,000 per Participant

PROGRAMME COURSE UNITS

Subject Code	Subject Name	Credit Value	Status
CCRM 1013	Introduction to Research	03	Compulsory
CCRM 1023	Research Designs and Data Collecting Techniques	03	Compulsory
CCRM 1033	Methods of Sampling	03	Compulsory
CCRM 1043	Synopsis Writing	03	Compulsory
CCRM 1053	Introduction to Data Analysis	03	Compulsory
Total credits		**15**	

DETAILED SYLLABUS

Course Code	:	CCRM 1013		
Title	:	Introduction to Research		
Credit Value		**3**		
Status		**Core**		
		Theory	**Practical**	**Independent Learning**
Hourly Breakdown	:	20	00	130

Intended learning outcomes:
After completion of this subject unit, the student will be able to;
- Recognize fundamentals of basic research methodology.
- Determine research theory and research paradigms.

Contents:

- Introduction to research: Definitions, characteristics, and history of social research
- Scientific method; stages and characteristics
- Theory and research
- Research paradigms
- Types of Research; Historical, descriptive, experiment, qualitative and quantitative, etc.
- Research process
- Ethics in Social Science Research

Methods of Teaching and Learning	:	Lectures, Readings, Interactive contacts, Discussions, Presentations, Demonstrations	
Assessment Strategy	:	Assignments 50%	Written examination 50%
Recommended Readings	:	• De Silva, A. (2001). *Samaja widhya paryeshana karma*.Author. • Sarantakos S. (2013*). Social Research*. Macmillan. • Subasinghe, W. (2016). *Samaja paryeshana karma*. Author.	

Course Code	:	CCRM 1023		
Title	:	Research Designs and Data collecting Techniques		
Credit Value		**3**		
Status		Core		
Hourly Breakdown		Theory	Practical	Independent Learning
	:	20	00	130

Intended learning outcomes:

After completion of this subject unit, the student will be able to;

- Explain the research methods in Social Sciences.
- Illustrate major research methods.
- Prepare a scientific questionnaire.

Contents:

- Introduction to research methods in Social Sciences: definition, importance, features
- Primary research methods; survey method, case study method, statistical method, historical method
- Introduction to secondary and primary data
- Data collection techniques: questionnaire, interviews, and observations
- Field report writing; Research diary, field notes, observation writings

Methods of Teaching and Learning	:	Lectures, Readings, Interactive contacts, Discussions, Presentations, Demonstrations	
Assessment Strategy	:	Individual Assignments 50%	Classroom Assessment 50%
Recommended Reading	:	• Creswell, J.W. & Creswell, J.D.(2018) *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. (5th Ed.). SAGE Publications. • Flick, U.(2015). *Introducing Research Methodology: A Beginner's Guide to Doing a Research Project*. (2nd Ed.). SAGE Publications.	

Course Code	:	CCRM 1033		
Title	:	Methods of Sampling		
Credit Value		**3**		
Status		**Core**		
Hourly Breakdown		**Theory**	**Practical**	**Independent Learning**
	:	20	00	130

Learning Outcomes:

Upon successfully completing the course module, the students should be able to perform the following tasks.

- Recognize of basics of Sampling
- Describe various methods of Sampling
- Define the various sampling errors

Course Content:

- Introduction to Sampling
- Selection/Preparation of Suitable Sampling Frames
- Sample justification
- Probability and non-Probability Samples
- Sampling Errors
- Particular factors regarding Sampling in quantitative and qualitative research.

Methods of Teaching and Learning	:	Lectures, Readings, Interactive contacts, Discussions, Presentations, Demonstrations	
Assessment Strategy	:	Individual Assignments 50%	Written Examination 50%
Recommended reading	:	• Flick, U.(2018). *The sage handbook of qualitative data collection*. SAGE Publications Ltd. • Gómez, H.G.(2021). *The technique of data collection in qualitative research: research data collection.* Our Knowledge Publishing.	

Course Code	:	CCRM 1043		
Title	:	Synopsis writing		
Credit Value		**3**		
Status		Core		
Hourly Breakdown		**Theory**	**Practical**	**Independent Learning**
	:	20	00	130

Intended Learning Outcomes:
After completion of this subject unit, the student will be able to;

- Identify the problem statement
- Review comprehensive the literature
- Sketch the research proposal

Contents:

- Identify Research Gap and Research Problem
- Formulating Research Objectives, Questions & Hypothesis
- Preparing a Conceptual Framework and identifying the underpinning theory
- Conducting a Literature Review
- Identify the primary stages of a research proposal
- Development of a Synopsis

Methods of Teaching and Learning	:	Lectures, Readings, Interactive contacts, Discussions, Presentations, Demonstrations	
Assessment Strategy	:	Individual Assignments 50%	Oral Examination 50%
Recommended Reading	:	• Niriella, N.C. (2018). *Writing research proposals: examples with urban questions*. Sarasavi publishers. • Subasinghe, W. (2016). *Samaja paryeshana karma*. Author. • Uyangoda, J. (2010). *Writing research proposals in the social sciences and humanities: a theoretical and practical guide*. Social Scientists Association.	

Course code	:	CCRM 1053
Title	:	Introduction to Data Analysis
Credit Value		**3**
Status		**Core**

Hourly Breakdown		Theory	Practical	Independent Learning
	:	20	00	80

Intended Learning Outcomes

After completion of this subject unit, the student will be able to;

- Define the data analysis process
- Interpret basic characteristics
- Recognizes relationships among different variables.

Contents:

- Introduction to data analysis
- Specific steps of the data analysis process; data coding, data entry, and data cleaning
- Basics of quantitative data and variables; mean, median, mode, central tendency, and variation.
- Data presentation
- Four main types of data analysis; descriptive, diagnostic, predictive, and prescriptive

Methods of Teaching and Learning	:	Lectures, Readings, Interactive contacts, Discussions, Presentations, Demonstrations	
Assessment Strategy	:	Individual Assignments 50%	Classroom Assessment 50%
Recommended reading	:	• Miles, M.B. Huberman, A. M and Saldan, J. (2020). *Qualitative data analysis: a methods sourcebook*. SAGA publication. • Rose, D. (1993). *Introducing data analysis for social scientists*. Open University Press. • Siddisena, K, A. P. (2021). *Datta vishleshana praveshaya*. Author.	