THESIS ADVISORY CERTIFICATION PROGRAMME

I. OBJECTIVE

Developing undergraduate professors' competences as advisors and thesis evaluators, as well as enhancing undergraduate students' research skills and work for obtaining their degree at the professional schools at National University of San Marcos.

II. LEGAL BASE

a) Law 30220, University Law

b) Statute of the interested University

c) Rectoral Resolution No. 00174-R-17 that approves the Institutional Strategic Plan 2017-2019 of the interested University

d) Framework Agreement for Inter-institutional Cooperation between the British Council and the University.

III. SCOPE

Lecturers of 5 Academic Areas at the University

IV. GENERAL PROGRAM GUIDELINES

This document is based on the institutional policy guidelines aimed at contributing to the fulfilment of the Institutional Strategic Plan 2017-2019, especially regarding quality education, research and internationalization. As well as within the fourth pillar of cooperation lines "Strengthening policies, practices and mechanisms for the assurance of university quality"

The execution of the "Teaching Training Program in the Teaching of Thesis Advisory" will be in charge of the Undergraduate Academic Vice-Rector (VRAP) with the support of the General Office of Cooperation and Inter-Institutional Relations (OGCRI)

The program is aimed at promoting research in undergraduate students, for which it will be supported by the British Council, branch of the United Kingdom's international organization for cultural relations and educational opportunities.

V. SPECIFIC PROGRAM GUIDELINES

a) The program will be delivered through a blended modality, with spaces that allow participants to work autonomously with the support of technological resources.

b) The duration of the program will be (60) academic hours:

- Contact hours: 12 h

- Hours e-learning: 48 h

c) Five (5) modules will be developed: two (2) face-to-face and three (3) virtual. Assessment in each module will be based on works and evaluations by British trainers, who will provide required feedback.

d) Each module contents will work according to the corresponding academic area (1. *Health Sciences, 2. Basic Sciences, 3. Engineering, Humanities, 4. Economics and Management Sciences and 5. Legal and Social Sciences*) providing case studies and material. focused on it.

e) The methodological strategy used for the development of this program proposes to the participant a variety of activities that are mentioned below:

• Individual and collaborative activities:

During the development of the course, the preparation of individual and / or collaborative activities has been planned: preparation of reports, essays, conceptual maps, case analysis, discussion forums, chat sessions and online evaluations. The objective is to improve the teaching-learning processes and the development of autonomy among participants.

• Discussion forums:

The forums are a privileged space for asynchronous reflection on topics related to social management and the exchange of opinions easily and quickly between participants and teachers.

• Chat sessions:

The Chat is a tool that facilitates the synchronic interaction between participants and teachers. It allows a greater interactivity and allows the solution of doubts or difficulties immediately, as well as the exchange of opinions.

• Online evaluation:

The participant will access the online assessments to verify their learning regarding the contents worked and the readings made. Online assessments will be placed on the virtual campus.

f) The program certificates will be endorsed by the Peruvian University, the British Council and the British University that implement the course.

VI. BENEFICIARIES

The University has 20 Faculties and 66 Professional Schools (PS). In that context, each Professional School curriculum includes thesis advisory courses, also known as thesis advisory workshops, which require the strengthening of professors' capacities in order to achieve greater effectiveness, which will be reflected in the quantity and quality of undergraduate level students´ thesis work, which is now a for graduation.

Academic area	Professional Schools	Beneficiaries(Professors)
Health Sciences	• Medicine • Pharmacy and Biochemistry • Veterinary Medicine • Odontology • Psychology	30
Basic sciences	• Physical Sciences • Biological Sciences • Mathematical Sciences	30
Engineering	• Geological, Mining, Metallurgical and Geographic Engineering • Industrial engineer • Systems and Information Engineering • Electronic and Electrical Engineering • Chemistry and Chemical Engineering	30
Economic and Management Sciences	• Administrative Sciences • Accounting sciences • Economic Sciences	30
Humanities and Legal and Social Sciences	• Social Science • Law and Political Science • Literature and Human Sciences • Education	30

VII. VENUES FOR PROGRAMME IMPLEMENTATION

• The University Campus.

• The Main University Professional School venue

VIII. SCHEDULE

N°	ACTIVITY	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	Programme preparation	x	x						
2	Programme approval		x						
3	Logistics implementation			x	x				
4	Module 1: The problem of research (Face-to-face session)					x			
5	Module 2: Theoretical framework and hypothesis (Virtual session)					x			
6	Module 3: (Face-to-face session)						x		
7	Module 4: Development of research and final report						x		

#										
	(Virtual session)									
8	Module 5: Research Ethics (Virtual session)								x	
9	Programme evaluation								x	x
10	Final Report									x

IX. BUDGET

QTY	DETAILS	COST x unit ($)	TOTAL
5	British trainers´ fees – One trainer per area		
10	Airfare (*) Plan is two trips per trainer		
10	Health insurance (*) Plan two trips per trainer		
10	Accommodation for 2 weeks (*) two trips per teacher		
	Creation of the virtual platform		
150	Certificaciones		
	Administrative expenses		

X. THEMATIC CONTENT

Module I. The problem of research
Expected outcome: At the end of the module, the participant presents a report assessing a specific thesis, detailing comments and observations regarding the approach to the research problem.

Topics to be addressed:
1.1.   Analysis of the problematic reality
        1.1.1   Information sources (thesis, research articles, database).
        1.1.2   Rubric for the evaluation of the "problematic reality"
1.2.   Problem formulation. The research question
        1.2.1   Components of the research problem (variables, relationship between variables, unit of study)
        1.2.2   Content and drafting characteristics
        1.2.3   Rubric for evaluation of "problematic reality"
1.3.   Justification and limitations
1.4.   Definition of objectives

Module II. Theoretical framework and hypothesis
Expected Outcome: At the end of the module, the participant presents a report evaluating a specific thesis, presenting his comments and observations on the background, theoretical framework and definition of terminology used in the theoretical framework of the thesis.
Topics to be addressed: 2.1 Role of the theoretical framework in the preparation of a thesis 2.2 Review of previous works related to the research thesis and related to the variables and the specific study to be carried out 2.3. Rubric for evaluation of the theoretical framework

2.4 Development of the hypothesis. Functions
2.5 Rubric for the evaluation of the hypothesis.

Module III. Materials and methods
Expected Outcome: At the end of the module, the participant presents a report of evaluation of a specific thesis, presenting his comments and observations on the research design, population, sample size, techniques and instruments for data collection and data analysis

Topics to be addressed:
3.1. Quantitative investigation
      3.1.1. Research approaches
      3.1.2. Levels of research
      3.1.3. Research designs
      3.1.4. Methods of data collection. Determination of population size and sampling in the target segment
3.2. Qualitative research
      3.2.1. Types of qualitative research
      3.2.2. Qualitative research design

Module IV. Research development and final report
Expected outcome: At the end of the module, the participant presents a report evaluating a specific thesis. To do so, it presents observations and specific assessment of the results, their discussion or the coherence of the conclusions in relation to the proposed objectives.

Topics to be addressed:
   4.1. Processing, analysis of qualitative and quantitative data.
   4.2. Results and conclusions

Module V. Ethics in research
Expected outcome: At the end of the module, the participant knows and applies ethical principles regarding scientific search, its design and implementation.

XI. EXPECTED RESULTS

• 150 university professors trained in skills for advising and production of research works and thesis counselling for undergraduate students of the university.

• Increase in the quantity and quality in the production of research and thesis work at the University.