UNIVERSIDAD AUTÓNOMA DE CHIHUAHUA

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UNIDAD ACADÉMICA:
FACULTAD DE FILOSOFÍA Y LETRAS

PROGRAMA DEL CURSO:

METHODOLOGICAL SEMINAR

DRA. IRLANDA OLAVE MORENO

DES:	Educación y Cultura
Programa(s) académico(s)	Licenciatura en Lengua Inglesa
Tipo de Materia: *Obligatoria / Optativa*	Optativa
Clave de la Materia:	
Semestre:	Octavo
Área en plan de estudios (B,P,E, O):	Específica
Total de horas por semana:	3
Laboratorio o Taller:	
h./semana trabajo presencial/virtual	
h./semana laboratorio/taller	
h. trabajo extra-clase:	
Total de horas por semestre: *Total de horas semana por 16 semanas*	64
Créditos totales:	
Fecha de actualización:	22 marzo 2024
Prerrequisito (s):	Introduction to Academic Research and English Level B1 in the CEFR

DESCRIPCIÓN DE LA UNIDAD DE APRENDIZAJE/ CURSO:

This course provides a comprehensive overview of research methodology and data analysis techniques, focusing on different aspects of the research process. It begins with an introduction to research methodology basics and emphasizes refining research questions and hypotheses. Subsequent study objects delve into experimental design and data collection, ensuring the finalization and fine-tuning of research protocols and procedures. Data management practices are then reviewed, emphasizing the importance of maintaining data integrity and reliability. The course also covers statistical or qualitative analysis techniques relevant to the study, with a focus on refining the analysis plan. Content analysis and interpretation are explored to identify patterns and themes in textual and visual content from the literature review. Additionally, students learn about data visualization and presentation techniques to effectively communicate study findings. Finally, the course addresses writing the methodology and data analysis chapters, providing guidance on structuring and detailing research design, methods, and analysis results. Through these study objects, students gain the necessary skills to conduct rigorous research and present their findings in a clear and organized manner.

COMPETENCIA PRINCIPAL QUE SE DESARROLLA: Investigación en educación, artes y humanidades

Descripción general: Demuestra capacidad para investigar de forma interdisciplinaria fenómenos educativos, artísticos y humanísticos mediante metodologías cuantitativas, cualitativas y mixtas.

Competencia Específica: Edición de textos

Descripción general: Redacta, edita y gestiona la publicación de textos en inglés y en español, basándose en los principios teóricos y metodológicos específicos a la expresión escrita.

OTRAS COMPETENCIAS A LAS QUE SE CONTRIBUYE CON EL DESARROLLO DE LA UNIDAD DE APRENDIZAJE/CURSO

Competencia o eje transversal: Excelencia y Desarrollo Humano

Descripción general: La excelencia educativa promueve el desarrollo humano integral con resultados tangibles obtenidos en la formación de profesionales con conciencia ética y solidaria, pensamiento crítico y creativo, así como una capacidad innovadora, productiva y emprendedora.

DOMINIOS (Se toman de las competencias)	OBJETOS DE ESTUDIO (Contenidos, temas y subtemas)	RESULTADOS DE APRENDIZAJE	METODOLOGÍA (Estrategias, secuencias, recursos didácticos)	EVIDENCIAS DE DESEMPEÑO
Investigación en educación, arte y humanidades Conoce y distingue diversas corrientes del pensamiento, referentes a su área. Utiliza en su práctica métodos fundamentados en principios epistemológicos. Desarrolla, promueve y difunde la investigación en educación, artes y humanidades, en relación a los fenómenos sociales. Estudia diversos fenómenos educativos, artísticos y humanísticos, apoyándose en métodos de investigación. Analiza problemáticas y	**Study Object 1 Introduction to Research Methodology** **Subtemas:** Review of research methodology basics Refining research questions and hypotheses	Study Object 1: Understanding of fundamental concepts and principles of research methodology. Identification of different research paradigms and approaches. Evaluation of existing research questions and hypotheses for clarity and specificity. Application of techniques to refine and improve research questions and hypotheses.	Study Object 1: A. Methodology lectures Lecture on fundamental concepts and principles of research methodology. Lecture on different research paradigms and approaches. Workshop on evaluating research questions and hypotheses. B. Reading assignments Research Methodology textbook chapters on fundamental concepts. Academic papers showcasing different research paradigms. Journal articles discussing the clarity and specificity of research questions. C. Group discussions Discussing case studies that illustrate different research paradigms. Group critique sessions on provided research questions and hypotheses.	Chapter Draft: A draft outlining key research methodology concepts, such as variables, hypotheses, sampling methods, and data collection techniques. PowerPoint Presentation: A presentation summarizing different research paradigms (e.g., positivism, interpretivism), approaches (e.g., qualitative, quantitative), and their distinguishing characteristics.

			Brainstorming sessions to refine and improve research questions.	
formula propuestas que contribuyan al mejoramiento de las áreas educativas, artísticas y humanísticas. Edición de textos: Usa paquetes básicos de textos, imágenes e información electrónica para la edición y redacción de textos. Realiza búsqueda de información electrónica y la discrimina para sustentar la redacción y edición de textos. Consulta y se apoya en expertos en la materia para sustentar su trabajo. Aplica principios y normativas de redacción y edición de textos. **Excelencia y Desarrollo Humano** Desarrolla el pensamiento crítico a partir de la libertad, el análisis, la reflexión y la argumentación			D. Consultation sessions One-on-one sessions to clarify concepts from lectures. Feedback sessions on research question refinement. Consultation hours for discussing specific doubts or questions.	
	Study object 2: Research Design and Data Collection **Subtemas:** Finalizing research design based on the protocol Fine-tuning data collection procedures	**Study Object 2:** Selection of appropriate research design based on the nature of the study. Incorporation of feedback from stakeholders to finalize the research design. Development of detailed data collection protocols. Implementation of strategies to enhance data quality and minimize biases.	**Study Object 2:** A. Methodology lectures Lecture series on different research designs and their applications. Workshop on incorporating stakeholder feedback into research design. Practical sessions on developing data collection protocols. B. Reading assignments Research Design textbook chapters covering various designs. Case studies illustrating stakeholder involvement in research design. Articles on strategies to enhance data quality and minimize biases. C. Group discussions Group debates on selecting appropriate research designs for hypothetical scenarios. Discussions on stakeholder engagement strategies. Brainstorming sessions on minimizing biases in data collection. D. Consultation sessions Consultation hours for discussing individual research design ideas.	Study Object 2: Select appropriate research design based on the nature of the study. Chapter Draft: An outline of different research designs (e.g., experimental, correlational, case study) with explanations of when each is appropriate. PowerPoint Presentation: A presentation showcasing various research designs with examples and explanations, including feedback from stakeholders on the chosen design.

		Feedback sessions on developed data collection protocols. Guidance on implementing strategies to minimize biases.	
	Study object 3: Data Management and Organization **Subtemas:** Reviewing data management practices Ensuring data integrity and reliability	**Study Object 3:** Assessment of best practices for data management and organization. Implementation of data management protocols to ensure efficient handling of data. Application of techniques to maintain data integrity throughout the research process. Implementation of measures to enhance data reliability and validity.	**Study Object 3** A. Methodology lectures Lectures on best practices for data management and organization. Workshop on implementing data management protocols. Practical sessions on maintaining data integrity. B. Reading assignments Articles on data management best practices. Case studies on data management challenges and solutions. Textbook chapters on data integrity and reliability. C. Group discussions Group discussions on data management protocols and their effectiveness. Brainstorming sessions on maintaining data integrity. Sharing experiences and strategies for efficient data handling. D. Consultation sessions Guidance on implementing specific data management protocols. Assistance with troubleshooting data management issues. Feedback sessions on data management plans.	. Study Object 3: Assess best practices for data management and organization. Chapter Draft: A section detailing data management protocols, including data storage, cleaning, and documentation procedures. PowerPoint Presentation: A presentation on data integrity, covering techniques for maintaining data quality and reliability throughout the research process.

	Study object 4: Statistical or Qualitative Analysis Techniques **Subtemas:** Reviewing statistical analysis methods or qualitative relevant to the study Refining analysis plan	**Study Object 4:** Understanding of commonly used statistical or qualitative analysis techniques. Evaluation of the appropriateness of different methods for analyzing study data. Development of a comprehensive analysis plan based on research objectives. Selection of appropriate statistical or qualitative analysis techniques to address research questions.	Study Object 4: A. Methodology lectures Lectures on commonly used statistical and qualitative analysis techniques. Workshop on developing comprehensive analysis plans. Practical sessions on selecting appropriate analysis techniques. B. Reading assignments Articles introducing various statistical and qualitative analysis methods. Case studies demonstrating the application of analysis techniques. Textbook chapters on crafting analysis plans. C. Group discussions Group discussions comparing different analysis techniques. Workshops on designing an alysis plans for specific research questions. Brainstorming sessions on addressing analytical challenges. D. Consultation sessions Assistance with crafting individualized analysis plans. Feedback sessions on chosen analysis techniques. Clarification of doubts regarding statistical or qualitative analysis.	Study Object 4: Understand commonly used statistical or qualitative analysis techniques. Chapter Draft: A draft outlining statistical and qualitative analysis methods relevant to the research objectives. PowerPoint Presentation: A presentation comparing different analysis techniques and justifying their selection based on the research questions.
	Study object 5: Content Analysis and Interpretation **Subtemas:** Analyzing textual and visual content from the literature review	**Study Object 5:** Application of content analysis techniques to extract meaningful insights from textual and visual data. Synthesis of findings from the literature review to	Study Object 5: A. Methodology lectures Lectures on content analysis techniques. Workshop on synthesizing findings from literature reviews.	Study Object 5: Apply content analysis techniques to extract meaningful insights from data.

	Identifying patterns and themes	inform the research study. Identification of recurring patterns and themes within the analyzed content. Interpretation of the significance of identified patterns and themes in the context of the research study.	Practical sessions on identifying patterns and themes. B. Reading assignments Articles on content analysis methodologies. Academic papers showcasing literature review synthesis. Case studies on thematic analysis. C. Group discussions Group discussions on interpreting findings from content analysis. Brainstorming sessions on identifying patterns in textual and visual data. Sharing insights from literature review synthesis. D. Consultation sessions Guidance on applying content analysis techniques. Feedback sessions on synthesized findings. Assistance with interpreting identified patterns and themes.	Chapter Draft: A section detailing content analysis techniques, with examples of their application in textual and visual data. PowerPoint Presentation: A presentation illustrating how content analysis was used to synthesize findings from the literature review and identify patterns and themes.
	Study Object 6: Data Visualization and Presentation **Subtemas:** Creating effective visualizations of study findings Preparing data presentation for the thesis	**Study Object 6:** Selection of appropriate visualization techniques to represent different types of data. Design of visually appealing and informative data visualizations. Structuring of the presentation of study findings in a logical and coherent manner. Communication of data analysis results effectively through visualizations and narrative text.	Study Object 6: A. Methodology lectures Lectures on visualization techniques. Workshop on designing informative data visualizations. Practical sessions on structuring presentations of study findings. B. Reading assignments Articles on effective data visualization practices. Case studies on designing compelling data visualizations. Textbook chapters on structuring research presentations.	Study Object 6: Select appropriate visualization techniques to represent different types of data. Chapter Draft: A section discussing various visualization techniques (e.g., charts, graphs, maps) and their suitability for different data types. PowerPoint Presentation: A presentation showcasing visually

			appealing data visualizations created for the study and explaining their relevance to the research findings.
		C. Group discussions Group critiques of data visualizations. Brainstorming sessions on innovative visualization techniques. Sharing best practices for communicating study findings visually. D. Consultation sessions Feedback sessions on designed visualizations. Guidance on structuring presentations for clarity. Assistance with technical aspects of visualization design.	
Study Object 7: Writing the Methodology Chapter **Subtemas:** Structuring the methodology chapter based on the protocol Describing research design and methods in detail	**Study Object 7:** Organization of the methodology chapter according to standard conventions and guidelines. Clear articulation of the research design, methods, and procedures used in the study. Provision of detailed descriptions of the research design, sampling techniques, data collection methods, and data analysis procedures. Justification of methodological choices and addressing of potential limitations.	Study Object 7: A. Methodology lectures Lectures on organizing methodology chapters. Workshop on articulating research design and methods. Practical sessions on writing detailed descriptions of research procedures. B. Reading assignments Articles on structuring methodology chapters. Examples of well-written methodology chapters from published research. Guidelines on justifying methodological choices. C. Group discussions Group critiques of methodology chapter outlines. Peer feedback sessions on methodological justifications. Brainstorming sessions on addressing potential limitations. D. Consultation sessions	Study Object 7: Organize the methodology chapter according to standard conventions. Chapter Draft: A methodology chapter draft structured according to standard conventions, including clear descriptions of research design, methods, and procedures. PowerPoint Presentation: A presentation outlining the methodology chapter's structure and justifying methodological choices while addressing potential limitations.

			Guidance on structuring methodology chapters according to standards. Feedback sessions on written methodology sections. Assistance with addressing specific methodological challenges.	
	Study Object 8: Writing the Data Analysis Chapter **Subtemas:** Structuring the data analysis chapter based on the collected data Presenting and interpreting data analysis results	**Study Object 8:** Organization of the data analysis chapter to effectively present and interpret study findings. Ensuring coherence and logical flow between different sections of the chapter. Presentation of descriptive and inferential statistics or qualitative findings in a clear and concise manner. Interpretation of the implications of data analysis results and their significance for addressing research questions and hypotheses.	Study Object 8: A. Methodology lectures Lectures on organizing data analysis chapters. Workshop on presenting descriptive and inferential statistics. Practical sessions on interpreting data analysis results. B. Reading assignments Articles on structuring data analysis chapters. Examples of well-structured data analysis chapters from published research. Guidelines on interpreting data analysis results. C. Group discussions Group critiques of data analysis chapter drafts. Peer feedback sessions on interpreting statistical findings. Brainstorming sessions on discussing implications of data analysis results. D. Consultation sessions Guidance on organizing data analysis chapters for coherence. Feedback sessions on written data analysis sections. Assistance with interpreting complex statistical findings.	Study Object 8: Organize the data analysis chapter effectively. Chapter Draft: A data analysis chapter draft presenting descriptive and inferential statistics or qualitative findings with clear interpretations. PowerPoint Presentation: A presentation summarizing the data analysis chapter, emphasizing its coherence, logical flow, and implications for addressing research questions and hypotheses.

FUENTES DE INFORMACIÓN (Bibliografía, direcciones electrónicas)	EVALUACIÓN DE LOS APRENDIZAJES (Criterios, ponderación e instrumentos)
Creswell, J. W., & Creswell, J. D. (2017). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. Sage Publications.http://www.ceil-conicet.gov.ar/wp-content/uploads/2015/10/Creswell-Cap-10.pdf Bingham, A. J. (2023). From data management to actionable findings: A five-phase process of qualitative data analysis. *International journal of qualitative methods,* 22, 16094069231183620.https://journals.sagepub.com/doi/pdf/10.1177/16094069231183620 Charmaz, K. (2008). *Grounded theory as an emergent method. Handbook of emergent method*s, 155, 172.http://www.sxf.uevora.pt/wp-content/uploads/2013/03/Charmaz_2008-b.pdf Charmaz, K. (2008). Reconstructing grounded theory. The SAGE handbook of social research methods, 461-478.http://dspace.vnbrims.org:13000/xmlui/bitstream/handle/123456789/4679/The%20SAGE%20Handbook%20of%20Social%20Research%20Methods.pdf?sequence=1#page=478 Garro, M. (2015). Research Design. Qualitative, quantitative and mixed methods approaches. Revista Peruana de Investigación Educativa, 7(7), 185-189. http://3.20.45.153/index.php/RPIE/article/download/55/104 Gómez, G. R., Flores, J. G., & Jiménez, E. G. (1996). *Metodología de la investigación cualitativa*. http://media.utp.edu.co/centro-gestion-ambiental/archivos/metodologia-de-la-investigacion-cualitativa/investigacioncualitativa.doc Jiménez Chávez, V. E., & Comet Weiler, C. (2016). Los estudios de casos como enfoque metodológico. *ACADEMO Revista de investigación en Ciencias Sociales y Humanidades*, *3*(2), 1-12.	Study Object 1: Chapter Draft Evaluation Criteria: Clarity and accuracy in defining key concepts and principles. Depth of understanding demonstrated through examples and explanations. Integration of relevant literature to support the discussion. Consistency in terminology and language usage. PowerPoint Presentation Evaluation Criteria: Clear presentation of different research paradigms and approaches. Succinct explanation of key concepts and their significance. Engaging visual aids to enhance understanding. Ability to answer questions and address concerns from the audience. Study Object 2: Chapter Draft Evaluation Criteria: Justification of chosen research design(s) based on study objectives. Discussion of strengths and limitations of selected design(s). Consideration of ethical implications related to the chosen design(s). Alignment of research design with research questions and hypotheses. PowerPoint Presentation Evaluation Criteria: Clear explanation of different research designs and their applications. Incorporation of feedback from stakeholders and justification of design choices. Clarity in communicating the rationale behind the chosen design(s). Presentation slides that are visually appealing and aid comprehension. Study Object 3: Chapter Draft Evaluation Criteria: Detailed description of data management protocols and procedures. Clarity in outlining steps for ensuring data integrity and reliability. Identification of potential risks and strategies for mitigating them. Compliance with ethical standards and regulatory requirements. PowerPoint Presentation Evaluation Criteria: Concise presentation of best practices for data management. Illustration of key concepts with relevant examples. Practical tips for implementing data management protocols effectively. Emphasis on the importance of data security and confidentiality. Study Object 4: Chapter Draft Evaluation Criteria: Comprehensive coverage of statistical or qualitative analysis methods. Clarity in explaining the rationale behind the selection of analysis techniques. Discussion of assumptions and limitations associated with chosen methods. Inclusion of examples to demonstrate the application of analysis techniques. PowerPoint Presentation Evaluation Criteria:

https://www.redalyc.org/articulo.oa?id=68827
3458012

Miles, M. B., & Huberman, A. M. (1994). *Qualitative data analysis: An expanded sourcebook*. sage.https://www.academia.edu/download/43491723/Miles____Huberman_Data_analysis.pdf

Stake, R. (2015). I*nvestigación con estudio de casos*. Madrid: Morata.http://revistas.udistrital.edu.co/ojs/index.php/GDLA/issue/download/686/pdf#page=100

Clear explanation of statistical or qualitative analysis techniques.
Visual aids to illustrate key concepts and steps of analysis.
Comparison of different methods with respect to their appropriateness.
Ability to address questions and facilitate understanding among the audience.

Study Object 5:
Chapter Draft Evaluation Criteria:
Thorough explanation of content analysis techniques used.
Demonstration of proficiency in applying techniques to textual and visual data.
Identification and interpretation of patterns and themes in the analyzed content.
Integration of findings with the existing literature to support interpretations.
PowerPoint Presentation Evaluation Criteria:
Clear demonstration of how content analysis was conducted.
Presentation of synthesized findings from the literature review.
Effective communication of the significance of identified patterns and themes.
Visual representations that aid in conveying insights derived from content analysis

Study Object 6:
Chapter Draft Evaluation Criteria:
Explanation of criteria used for selecting visualization techniques.
Demonstration of proficiency in designing visually appealing visualizations.
Alignment of visualization techniques with the nature of the data being presented.
Clarity in explaining the significance of visualizations for conveying research findings.
PowerPoint Presentation Evaluation Criteria:
Effective use of visual aids to represent different types of data.
Explanation of why specific visualization techniques were chosen.
Demonstration of creativity and innovation in designing visualizations.
Presentation slides that are easy to understand and interpret.

Study Object 7:
Chapter Draft Evaluation Criteria:
Adherence to standard conventions for organizing a methodology chapter.
Clear articulation of research design, methods, and procedures.
Detailed descriptions of sampling techniques, data collection methods, and analysis procedures.
Justification of methodological choices and thorough discussion of potential limitations.
PowerPoint Presentation Evaluation Criteria:
Structured presentation outlining the components of the methodology chapter.
Clarity in communicating the research design, methods, and procedures used.
Visual aids to enhance understanding of complex methodological concepts.
Ability to address questions and concerns regarding methodological aspects

	Study Object 8:
	Chapter Draft Evaluation Criteria:
	Logical organization of the data analysis chapter with clear sections.
	Presentation of descriptive and inferential statistics or qualitative findings.
	Interpretation of data analysis results in relation to research questions and hypotheses.
	Coherence and clarity in presenting and discussing study findings.
	PowerPoint Presentation Evaluation Criteria:
	Structured presentation outlining the organization of the data analysis chapter.
	Clarity in communicating descriptive and inferential statistics or qualitative findings.
	Use of visual aids to support the interpretation of data analysis results.
	Ability to effectively communicate the implications of findings for addressing research objectives.
	Assessment:
	Research Proposal (25%)
	Students will develop a research proposal that incorporates all study objects.
	This proposal will include:
	Introduction outlining the research problem and objectives (Study Object 1).
	Justification of research design and methods (Study Object 2).
	Detailed data management plan (Study Object 3).
	Proposed data analysis techniques (Study Object 4).
	Content analysis plan (if applicable) (Study Object 5).
	Visualization plan for data representation (Study Object 6).
	Methodology chapter outlining research design and procedures (Study Object 7).
	Data analysis chapter presenting findings and interpretations (Study Object 8).
	Presentation (15%)
	Students will deliver a PowerPoint presentation based on their research proposal.
	The presentation will cover all aspects of the research project, highlighting key points from each study object.
	Emphasis will be placed on clarity, coherence, and effective communication of research objectives, methods, and findings.
	Final Research Report (60%)
	Students will submit a comprehensive final research report based on their research proposal.
	The report will include:
	Introduction and literature review (Study Object 1, 5).
	Methodology chapter detailing research design, methods, and procedures (Study Object 2, 3, 7).
	Data analysis chapter presenting findings and interpretations (Study Object 4, 8).
	Content analysis (if applicable) (Study Object 5).
	Visualization of data (Study Object 6).
	Discussion of findings and implications (all study objects).
	Conclusion and recommendations for future research.

	Evaluation will focus on the depth of analysis, adherence to research methodologies, clarity of presentation, and overall coherence of the research report.
	En todos los trabajos el alumno debe atender los requisitos formales indicados en el Manual de Publicaciones de la American Psychological Association (última edición), además de aspectos cumplir los siguientes aspectos, según sean aplicables: De forma: ortografía y gramática, división temática, alternancia de fuentes y aportes propios, extensión apropiada de oraciones y párrafos, uso consistente de abreviaturas y símbolos (incluyendo puntuación y comillas); De uso de fuentes de información: el contenido del trabajo es original, ético e íntegro (no presenta plagio), elabora citas y referencias de forma adecuada, uso de fuentes de información en su mayoría actuales y asegura la diversidad de fuentes (clasificación de documentos, de la ciencia y de niveles de comunicación científica), autores, ideas y perspectivas.

CRONOGRAMA DEL AVANCE PROGRAMÁTICO

O.E.	Semanas															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	■	■														
2			■	■												
3					■	■										
4							■	■								
5									■	■						
6											■	■				
7													■	■		
8															■	■

O.E: Objetos de Estudio