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| --- | --- | --- |
| Approved Date: |  | Philadelphia University |
| Issue: | Faculty: Business |
| Credit Hours: 3 hours | Department: Hospital Management |
| Bachler: | Course Syllabus | Academic Year:2022-2023 |

**Course Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prerequisite** | | **Course Title** | | **Course No.** |
| **0380260** | | **Research Methods for Business** | | **-** |
| **Room No.** | **Class Time** | | **Course Type** | |
| **32303** | **09:45-11:15 Sun, Tue** | | Univirsity Requirement Fuclty Requirement   * Major Requirement  Elective  Compulsory | |

**Instructure Information**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| E-mail | Office Hours | Phone No. | Office No. | Name |
| [**malnadi@philadelphia.edu.jo**](mailto:malnadi@philadelphia.edu.jo) | **11:15-12:45** | **2429** | **32415** | **Mohammad Alnadi** |

**Course Delivery Method**

|  |  |  |  |
| --- | --- | --- | --- |
| Blended Online Physical | | | |
| Learning Model | | | |
| Physical | Asynchronous | Synchronous | Percentage |
| 100% |  |  |

**Course Description**

|  |  |
| --- | --- |
| This course deals with the methodology of scientific research in administrative and economic sciences, types of scientific research, and the basic steps for writing scientific research. It also deals with the material as well as data analysis and interpretation, in addition to the technical aspects of writing scientific research and clarifying the foundations for documenting references. This course presents alternative approaches to research, follow up on this by reviewing a range of topics (such as research questions, research design, and measurement) from various perspectives and what are methods for collecting and analyzing data will give them the best answers to their research questions. | **Course Description** |

**Course Learning Outcomes**

|  |  |  |
| --- | --- | --- |
| **Corresponding Program Outcomes** | **Course Learning Outcomes** | **Number** |
| **Knowledge** | | |
| Cp2, Sp3 | After successfully completing the course, the student must have knowledge of scientific research methods in administrative and economic sciences | K1 |
| Cp2, Sp3 | After the successful completion of the course, the student must have knowledge of the steps of scientific research | K2 |
| Cp2, Sp3 | After the successful completion of the course, the student should be understand the types of scientific research | K3 |
| Cp2, Sp3 | After the successful completion of the course, the student should be know the main characteristic scientific research | K4 |
| **Skills** | | |
| Sp2 | After successful completion of the course, the student should be able to use technology in writing scientific research. | S1 |
| Cp2 | After successful completion of the course, the student should be able to use statistical concepts in writing scientific research. | S2 |
| **Competencies** | | |
| Cp2, Sp3 Sp2 | After successful completion of the course, the student must have the professional competence to apply the outputs of scientific research in a variety of contexts. | C1 |
| Cp2, Sp3 Sp2 | After successfully completing the course, the student must have the skill to use the critical thinking in formulating research hypotheses | C2 |

**Meetings and Subjects Timetable**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Learning Material | Task | Learning Method\* | Topic | Week |
| Study plan and syllabus | ---- | Lecture | - Explanation of the college's vision and, the plan, objectives and outcomes of subject earning, the application of quality assurance standards and accreditation policies, and the college's participation in the national accreditation program  Introduction to research - | 1 |
| Chapter 1 | -- | Lecture | Business research -  -The role of theory and information in research  -Research and the manager  -Types of business research: applied and basic  -Applied research  -Basic or fundamental research  Managers and research -  -Why managers need to know about research  -The manager and the consultant–researcher  -Internal versus external consultants/researchers  -Internal consultants/researchers  Advantages of internal consultants/researchers  Disadvantages of internal consultants/researchers  -External consultants/researchers  Advantages of external consultants/researchers  -Disadvantages of external consultants/researchers  - Knowledge about research and managerial effectiveness  Ethics and business research  Discussion questions | 2 |
| Chapter 2 |  | Lecture | - The scientific approach and alternative approaches to investigation  -The hallmarks of scientific research:  Purposiveness  Rigor  Testability  Replicability  Precision and confidence  Objectivity  Generalizability  Parsimony | 3 |
| Chapter 2 | quiz | flipped Class | -The hypothetico-deductive method  The seven-step process in the hypothetico-deductive method  Identify a broad problem area  Define the problem statement  Develop hypotheses  Determine measures  -Data collection steps  Data analysis -  -Interpretation of data  Review of the hypothetico-deductive method -  -Some obstacles to conducting scientific research in the management area  -Alternative approaches to research  Positivism -  Constructionism -  Critical realism -  Pragmatism - | 4 |
| Chapter 2+3 |  | flipped Class | - Scientific research 8 steps  - Research design  - Exploratory research  Descriptive Research-  -Defining and refining the problem  Introduction  The broad problem area -  Preliminary research -  -Nature of information to be gathered  -Background information on the organization  -Information on the topic or subject area  -Defining the problem statement  -What makes a good problem statement?  -Basic types of questions: exploratory and descriptive -  Exploratory research questions -  -Descriptive research questions  Causal research questions -  The research proposal -  Managerial implications -  -Ethical issues in the preliminary -stages of investigation | 5 |
| Chapter 4 |  | project based learning | -The critical literature review  -How to approach the literature review  -Data sources  -Textbooks  -Journals  -Theses  Unpublished manuscripts  Reports  Newspapers  The Internet  Searching for literature  Evaluating the literature  Documenting the literature review  Ethical issues | 6 |
| Chapter 5 | quiz | Interactive lecture and discussions by students | -Theoretical framework and hypothesis development  Introduction  -The need for a theoretical framework  Variables  -Dependent variable  Independent variable - | 7 |
| Chapter 5 |  | Interactive lecture and discussions by students | Moderating variable  -The distinction between an independent variable  and a moderating variable  Mediating variable  -How theory is generated  -The components of the theoretical framework  -Hypothesis development | 8 |
| Chapter 5 |  | Interactive lecture and discussions by students | Definition of a hypothesis -  -Statement of hypotheses: formats  -Directional and nondirectional hypotheses  Null and alternate hypotheses -  Managerial implications - | 9 |
| Chapter 6 | Homework | - | Elements of research design-  -The research design  -Elements of research design  Research strategies -  Experiments -  Survey research -  Ethnography -  -Case studies  -Grounded theory  Action research -  -Extent of researcher interference with the study | 10 |
| Chapter 6 | Mid Exam | Interactive lecture and discussions by students | -Study setting: contrived and noncontrived  -Unit of analysis: individuals, dyads, groups, organizations, cultures  -Time horizon: cross-sectional versus longitudinal studies  Cross-sectional studies -  Longitudinal studies -  Mixed methods -  -Trade-offs and compromises  Managerial implications - | 11 |
| Chapter 11 | Discuss a practical question solution | Interactive lecture and discussions by students | -Measurement of variables: Operational definition  -How variables are measured  Operational definition (operationalization)  -Operationalization: dimensions and elements | 12 |
| Chapter 11 | Homework |  | -Operationalizing the (multidimensional) concept of achievement motivation  Dimensions and elements of achievement motivation | 13 |
| Chapter 12 | --- | - | Measurement: Scaling, reliability and validity  Four types of scales 207  Nominal scale  Ordinal scale  Interval scale  Ratio scale | 14 |
| Chapter six Textbook, | Discuss solving practical questions |  | Revision for the whole course and all apply practical examples on all research steps | 15 |
|  |  |  | Final Exam | 16 |

\*Includes: lecture, flipped Class, project based learning, problem solving based learning, collaboration learning

**Learning Resources**

|  |  |
| --- | --- |
| Research Methods for Business: A Skill-Building Approach, Uma Sekaran, Roger Bougie, John Wiley, 2019,8th Edition | **Course Textbook** |
| * Principles of managerial statistics and data science, Roberto Rivera, Wiley,2020 * فوزي غرايبة، نعيم دهمش، ربحي الحسن، خالد عبد الله، هاني أبو جبارة، أساليب البحث العلمي في العلوم الإنسانية والاجتماعية، عمان، دار وائل، ط:6، 2011. * أحمد حسين الرفاعي، مناهج البحث العلمي: تطبيقات إدارية واقتصادية، عمان، دار وائل للنشر، الطبعة السابعة، 2014. | **Supporting References** |
| <https://www.pdfdrive.com/research-mathodology-methods-and-techniques-e7138197.html>  <https://www.pdfdrive.com/research-methods-for-the-social-sciences-basic-statistics-for-social-research-e186350235.html> | **Supporting Websites** |
| **Classroom**  **laboratory Learning Platform Other** | **Teaching Environment** |

**Course Contributing to Learner Skill Development**

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| --- |
| Using Technology |
| Using Microsoft Word, PowerPoint, and Excel |
| Communication Skills |
| Assigning students a set of realistic practical exercises related to the material to be presented and discussed with students during the lectures |
| Application of Concept Learnt |
| Assigning students to prepare applied research projects in which the sequence is carried out from choosing the problem to preparing an integrated scientific research project |

**Assessment Methods and Grade Distribution**

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| --- | --- | --- | --- |
| Course Outcomes  to be Assessed | Assessment Time  (Week No.) | Grade | Assessment Methods |
| Sp2 Sp3 | the seventh week | 30 % | Mid Exam |
|  |  | **30 %** | **Term Works\*** |
| Sp2 Sp3 | **Fourth week** | **5%** | **Quiz** |
| Sp3 | **Seventh week** | **5%** | **Quiz** |
| Cp2 | **Tenth week** | **10%** | **Home work 1** |
| Sp3 | **Thirteenth week** | **10%** | **Home work 2** |
| Sp2 Sp3 Cp2 | Sixteenth week | 40 % | Final Exam |
|  |  | 100% | Total |

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**Alignment of Course Outcomes with Learning and Assessment Methods**

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| --- | --- | --- | --- |
| **Assessment Method\*\*** | **Learning Method\*** | **Learning Outcomes** | **Number** |
| **Knowledge** | | | |
| Quizzes | Lecture | After successfully completing the course, the student must have knowledge of scientific research methods in administrative and economic sciences | K1 |
| Quizzes | Lecture | After the successful completion of the course, the student must have knowledge of the steps of scientific research (in terms of feeling the problem, determining the objectives and dimensions of the research, reviewing the study literature and hypotheses, research design, data collection, classification, analysis, interpretation, and report writing). | K2 |
| Quizzes | Lecture | After the successful completion of the course, the student should be able to show the types of scientific research (applied, theoretical, exploratory, experimental and developmental). | K3 |
| **Skills** | | | |
| homework | Lecture | After successful completion of the course, the student should be able to apply and use technology and statistical concepts in writing scientific research (the sequence in data collection, entry, analysis and presentation in correct ways). | S1 |
| **Competencies** | | | |
| homework | problem solving | After successful completion of the course, the student must have the professional competence to use the outputs of scientific research and apply them in a variety of contexts. | C1 |
| homework | problem solving | After successfully completing the course, the student must have the skill to use the faculty of critical thinking in formulating research hypotheses and applying them on the ground. | C2 |

\*Learning methods include: lecture, flipped learning, project learning, problem solving learning, participatory learning...etc.

\*\*Assessment methods include: exam, individual/group project, homework, presentation, participation and discussion, quiz...etc

**Course Polices**

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| --- | --- |
| **Policy Requirements** | **Policy** |
| The minimum pass for the course is (50%) and the minimum final mark is (35%). | Passing Grade |
| * Anyone absent from a declared semester exam without a sick or compulsive excuse accepted by the dean of the college that proposes the course, a zero mark shall be placed on that exam and calculated in his final mark. * Anyone absent from a declared semester exam with a sick or compulsive excuse accepted by the dean of the college that proposes the course must submit proof of his excuse within a week from the date of the excuse’s disappearance, and in this case, the subject teacher must hold a compensation exam for the student. * Anyone absent from a final exam with a sick excuse or a compulsive excuse accepted by the dean of the college that proposes the material must submit proof of his excuse within three days from the date of holding that exam. | Missing Exams |
| The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to six lecture days (n t) and seven lectures (days). If the student misses more than (15%) of the total hours prescribed for the course without a satisfactory or compulsive excuse accepted by the dean of the faculty, he is prohibited from taking the final exam and his result in that subject is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college that The article is introduced, it is considered withdrawn from that article, and the provisions of withdrawal shall apply to it. | Attendance |
| Philadelphia University pays special attention to the issue of academic integrity, and the penalties stipulated in the university's instructions are applied to those who are proven to have committed an act that violates academic integrity, such as cheating, plagiarism (academic theft), collusion, intellectual property rights. | Academic Integrity |

**Program Learning Outcomes to be Assessed in this Course**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Targeted Performance level** | **Assessment Method** | **Course Title** | **Learning Outcome** | **Number** |
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|  |  |  |  |  |

**Description of Program learning Outcomes Assessment Method**

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| --- | --- |
| **Detailed Description of Assessment** | **Number** |
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**Assessment Rubric of the Program Learning Outcomes**

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