

# SCIENTIFIC RESEARCH METHODS AND RESEARCH ETHICS

|    |   |  |  |
|----|---|--|--|
| 1  | Course Title:   | SCIENTIFIC RESEARCH METHODS AND RESEARCH ETHICS  |  |
| 2  | Course Code:  | FRN6104  |  |
| 3  | Type of Course:   | Compulsory   |  |
| 4  | Level of Course:  | Third Cycle  |  |
| 5  | Year of Study:  | 1  |  |
| 6  | Semester:   | 2  |  |
| 7  | ECTS Credits Allocated:                                 | 6.00   |  |
| 8  | Theoretical (hour/week):                                | 3.00   |  |
| 9  | Practice (hour/week):                                   | 0.00   |  |
| 10 | Laboratory (hour/week):                                 | 0  |  |
| 11 | Prerequisites:  | none   |  |
| 12 | Language:   | Turkish  |  |
| 13 | Mode of Delivery:                                       | Face to face   |  |
| 14 | Course Coordinator:                                     | Prof. Dr. AYLÄ GÖKMEN  |  |
| 15 | Course Lecturers:                                       |  |  |
| 16 | Contact information of the Course Coordinator:          | Prof. Dr. Ayla Gökmen<br>agokmen@uludag.edu.tr, 0224 2942241, U.Ü Eğitim Fakültesi<br>Yabancı Diller Eğitimi Bölümü, 16059- Görükle/ Bursa |  |
| 17 | Website:  |  |  |
| 18 | Objective of the Course:                                | To introduce the techniques and procedures in implementing scientific research and preparing a research report for students SA.            |  |
| 19 | Contribution of the Course to Professional Development: |  |  |
| 20 | Learning Outcomes:                                      |  |  |
|    |   | 1  | To be able to gain primary principles and concepts in research   |
|    |   | 2  | To be able to identify research methods.   |
|    |   | 3  | To be able to comprehend research principles and methods.  |
|    |   | 4  | To be able to address relevant resources to introduce the research problem                               |
|    |   | 5  | To be able to interpret the data by using data collection techniques                                     |
|    |   | 6  | To arrange scientific research report according to stylistic presentation rules.                         |
|    |   | 7  | To be able to synthesize their research with interdisciplinary Information by searching the field works. |
|    |   | 8  | To be able to present the research in written and oral language at the C2 level in French.               |
|    |   | 9  |  |
|    |   | 10   |  |
| 21 | Course Content:   |  |  |
|    |   | Course Content:  |  |

| Week   | Theoretical  | Practice |                 |                        |
|--|--|----------|-----------------|------------------------|
| 1  | What is information? how is it obtained? how is it used? how is it interpreted?  |          |                 |                        |
| 2  | What is research? why is it carried out ? definition of research; comprehension-explanation  |          |                 |                        |
| 3  | Research techniques and phases, basic techniques   |          |                 |                        |
| 4  | scientific method. research types and models.  |          |                 |                        |
| 5  | Research process and techniques  |          |                 |                        |
| 6  | Determination of aim at scientific research, stating the problem. Restriction  |          |                 |                        |
| 7  | Why and how are research techniques used in french language teaching?  |          |                 |                        |
| 8  | Planning; planning types and applications used in french scientific research; dialectic, comparison, explication-proving, enventer, etc. |          |                 |                        |
| 9  | Data collection: definition, types; data sources; assessment–observation-interview-document scanning; books and documents, etc.          |          |                 |                        |
| 10   | Processing of data, analysis and interpretation  |          |                 |                        |
| 11   | Finding and interpretation in a research   |          |                 |                        |
| Activites  |  | Number   | Duration (hour) | Total Work Load (hour) |
| 14   | Written raport presentation  | 14       | 3.00            | 42.00                  |
| Practicals/Labs  |  | 0        | 0.00            | 0.00                   |
| Self study and preperation                                       |  | 42       | 3.00            | 126.00                 |
| Homeworks  |  | 4        | 12.00           | 48.00                  |
| Projects   |  | 1        | 0.00            | 0.00                   |
| Field Studies  |  | 0        | 0.00            | 0.00                   |
| Midterm exams  |  | 1        | 10.00           | 10.00                  |
| Others   |  | 2        | 12.00           | 24.00                  |
| Final Exams  |  | 1        | 10.00           | 10.00                  |
| Total Work Load  |  |          |                 | 176.00                 |
| Total work load/ 30 hr   |  |          |                 | 5.87                   |
| TERM LEARNING ACTIVITIES   |  | NUMBE    | WEIGHT          |                        |
| ECTS Credit of the Course  |  |          |                 | 6.00                   |
| Midterm Exam   |  | 1        | 20.00           |                        |
| Quiz   |  | 0        | 0.00            |                        |
| Home work-project  |  | 4        | 20.00           |                        |
| Final Exam   |  | 1        | 60.00           |                        |
| Total  |  | 6        | 100.00          |                        |
| Contribution of Term (Year) Learning Activities to Success Grade |  | 40.00    |                 |                        |
| Contribution of Final Exam to Success Grade                      |  | 60.00    |                 |                        |
| Total  |  | 100.00   |                 |                        |
| Measurement and Evaluation Techniques Used in the Course         |  |          |                 |                        |
| 24   | ECTS / WORK LOAD TABLE   |          |                 |                        |

| 25  | CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS |     |     |       |     |     |          |     |     |        |      |      |             |      |      |      |
|---|---|-----|-----|-------|-----|-----|----------|-----|-----|--------|------|------|-------------|------|------|------|
|   | PQ1   | PQ2 | PQ3 | PQ4   | PQ5 | PQ6 | PQ7      | PQ8 | PQ9 | PQ10   | PQ11 | PQ12 | PQ13        | PQ14 | PQ15 | PQ16 |
| ÖK1   | 5   | 5   | 5   | 5     | 4   | 4   | 4        | 0   | 4   | 5      | 5    | 5    | 0           | 0    | 0    | 0    |
| ÖK2   | 5   | 0   | 3   | 4     | 4   | 4   | 0        | 0   | 3   | 0      | 5    | 4    | 0           | 0    | 0    | 0    |
| ÖK3   | 5   | 0   | 3   | 4     | 3   | 3   | 0        | 3   | 4   | 0      | 5    | 4    | 0           | 0    | 0    | 0    |
| ÖK4   | 5   | 0   | 3   | 4     | 3   | 3   | 5        | 3   | 3   | 3      | 5    | 4    | 0           | 0    | 0    | 0    |
| ÖK5   | 4   | 0   | 5   | 4     | 4   | 3   | 5        | 5   | 3   | 3      | 5    | 5    | 0           | 0    | 0    | 0    |
| ÖK6   | 4   | 0   | 4   | 2     | 4   | 3   | 3        | 5   | 4   | 5      | 5    | 5    | 0           | 0    | 0    | 0    |
| ÖK7   | 5   | 3   | 4   | 3     | 3   | 4   | 5        | 5   | 5   | 4      | 4    | 4    | 0           | 0    | 0    | 0    |
| ÖK8   | 5   | 3   | 4   | 3     | 3   | 3   | 5        | 5   | 5   | 4      | 5    | 5    | 0           | 0    | 0    | 0    |
| LO: Learning Objectives    PQ: Program Qualifications |   |     |     |       |     |     |          |     |     |        |      |      |             |      |      |      |
| Contribution Level:                                   | 1 very low  |     |     | 2 low |     |     | 3 Medium |     |     | 4 High |      |      | 5 Very High |      |      |      |