

# RAILWAY TRANSPORTATION

|      |   |  |   |
|------|---|--|---|
| 1    | Course Title:   | RAILWAY TRANSPORTATION   |   |
| 2    | Course Code:  | LJTS002  |   |
| 3    | Type of Course:   | Optional   |   |
| 4    | Level of Course:  | Short Cycle  |   |
| 5    | Year of Study:  | 2  |   |
| 6    | Semester:   | 3  |   |
| 7    | ECTS Credits Allocated:                                 | 3.00   |   |
| 8    | Theoretical (hour/week):                                | 1.00   |   |
| 9    | Practice (hour/week):                                   | 2.00   |   |
| 10   | Laboratory (hour/week):                                 | 0  |   |
| 11   | Prerequisites:  | None   |   |
| 12   | Language:   | Turkish  |   |
| 13   | Mode of Delivery:                                       | Face to face   |   |
| 14   | Course Coordinator:                                     | Doç. Dr. HİLAL YILDIRIR KESER  |   |
| 15   | Course Lecturers:                                       |  |   |
| 16   | Contact information of the Course Coordinator:          | Uludağ Üniversitesi Sosyal Bilimler Meslek Yüksek Okulu<br>Ali Osman Sönmez Kampusu Yeni Yalova Yolu<br>Osmangazi / BURSA<br>0224 26155 40 – 41 (60530)<br>hilalyildirir@uludag.edu.tr |   |
| 17   | Website:  |  |   |
| 18   | Objective of the Course:                                | The aim of this course is to explicate conventional and combined railway transportation in a logistic manner.  |   |
| 19   | Contribution of the Course to Professional Development: |  |   |
| 20   | Learning Outcomes:                                      |  |   |
|      |   | 1  | To learn the scope and implementation stages of railway transport   |
|      |   | 2  | To have knowledge on train and locomotive types and structures.     |
|      |   | 3  | To learn railway carrying systems in terms of cargo.                |
|      |   | 4  | To learn railway carrying systems in terms of passenger             |
|      |   | 5  | To learn the operational dimentions of railway transportation       |
|      |   | 6  | To have knowledge on the legal procedures of railway transportation |
|      |   | 7  |   |
|      |   | 8  |   |
|      |   | 9  |   |
|      |   | 10   |   |
| 21   | Course Content:   |  |   |
|      |   | <b>Course Content:</b>   |   |
| Week | Theoretical   | Practice   |   |
| 1    | Basic concepts of railway transportation.               |  |   |
| 2    | Cargo wagons types and their specifications.            |  |   |
| 3    | Numbering and marking of cargo wagons                   |  |   |

|  |   |               |
|--|---|---------------|
| 4  | Delivering, loading, ticketing and sealing of cargo wagons              |               |
| 5  | Classification of thrains and train types                               |               |
| 6  | Te preperation of trains to journey                                     |               |
| 7  | Management of railway traffic.  |               |
| 8  | Midterm Exam and Course Review  |               |
| 9  | Manoeuvre and brake on railway instruments                              |               |
| 10   | The models of railway transportation and the use of these models.       |               |
| 11   | The management of private wagons on railway lines.                      |               |
| 12   | The management of private wagons on railway lines.                      |               |
| 13   | The operational dimentions and legal processes of railway trnsportation |               |
| 14   | The maintenance and repair of cargo wagons                              |               |
| 22   | Textbooks, References and/or Other Materials:                           |               |
| 23   | Assesment   |               |
| <b>TERM LEARNING ACTIVITIES</b>                                  |   |               |
|  | <b>NUMBE R</b>  | <b>WEIGHT</b> |
| Midterm Exam   | 1   | 40.00         |
| Quiz   | 0   | 0.00          |
| Home work-project  | 0   | 0.00          |
| Final Exam   | 1   | 60.00         |
| Total  | 2   | 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         |   |               |
| <b>24</b>  | <b>ECTS / WORK LOAD TABLE</b>   |               |

| Activites                  | Number | Duration (hour) | Total Work Load (hour) |
|----------------------------|--------|-----------------|------------------------|
| Theoretical                | 14     | 1.00            | 14.00                  |
| Practicals/Labs            | 14     | 2.00            | 28.00                  |
| Self study and preperation | 0      | 0.00            | 0.00                   |
| Homeworks                  | 0      | 0.00            | 0.00                   |
| Projects                   | 0      | 0.00            | 0.00                   |
| Field Studies              | 0      | 0.00            | 0.00                   |
| Midterm exams              | 1      | 20.00           | 20.00                  |
| Others                     | 0      | 0.00            | 0.00                   |
| Final Exams                | 1      | 30.00           | 30.00                  |
| Total Work Load            |        |                 | 92.00                  |
| Total work load/ 30 hr     |        |                 | 3.07                   |
| ECTS Credit of the Course  |        |                 | 3.00                   |

| 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   | 2   | 5   | 3            | 3   | 4   | 5               | 5   | 3   | 2             | 2    | 5    | 0                  | 0    | 0    | 0    |
| ÖK2  | 5   | 2   | 5   | 3            | 3   | 4   | 5               | 5   | 4   | 2             | 3    | 5    | 0                  | 0    | 0    | 0    |
| ÖK3  | 5   | 5   | 5   | 2            | 5   | 3   | 5               | 5   | 3   | 2             | 2    | 5    | 0                  | 0    | 0    | 0    |
| ÖK4  | 5   | 5   | 5   | 3            | 5   | 3   | 5               | 5   | 3   | 2             | 3    | 5    | 0                  | 0    | 0    | 0    |
| ÖK5  | 5   | 5   | 5   | 5            | 2   | 3   | 5               | 4   | 3   | 3             | 2    | 5    | 0                  | 0    | 0    | 0    |
| ÖK6  | 5   | 5   | 5   | 2            | 2   | 4   | 5               | 5   | 3   | 2             | 2    | 4    | 0                  | 0    | 0    | 0    |
| <b>LO: Learning Objectives    PQ: Program Qualifications</b> |   |     |     |              |     |     |                 |     |     |               |      |      |                    |      |      |      |
| <b>Contribution Level:</b>                                   | <b>1 very low</b>   |     |     | <b>2 low</b> |     |     | <b>3 Medium</b> |     |     | <b>4 High</b> |      |      | <b>5 Very High</b> |      |      |      |