

# TOROS ÜNİVERSİTESİ

Faculty Of Health Sciences

## Course Information

| PRODUCTION MANAGEMENT IN HEALTHCARE INSTITUTIONS |          |             |          |                 |             |
|--|----------|-------------|----------|-----------------|-------------|
| Code   | Semester | Theoretical | Practice | National Credit | ECTS Credit |
|  |          | Hour / Week |          |                 |             |
| SKY208   | Spring   | 2           | 0        | 2               | 2           |

|   |   |
|---|---|
| <b>Prerequisites and co-requisites</b>      | None  |
| <b>Language of instruction</b>              | Turkish   |
| <b>Type</b>                                 | Required  |
| <b>Level of Course</b>                      | Bachelor's  |
| <b>Lecturer</b>                             | Lect. Şadi ANAMURLUOĞLU   |
| <b>Mode of Delivery</b>                     | Face to Face  |
| <b>Suggested Subject</b>                    | None  |
| <b>Professional practise ( internship )</b> | None  |
| <b>Objectives of the Course</b>             | This course aims to give the basic aim students the ability to use medical equipments, materials and techniques in production management and health services production as effective health manager.  |
| <b>Contents of the Course</b>               | Introduction to production and operations management, Historical development, objectives and functions of production and operations management Production strategy, Production systems and types, service design Investment planning of health facilities, location selection and feasibility evaluation Design of health institutions and settlement arrangement Selection and management of healthcare production technologies Capacity planning and management in health institutions Process planning, analysis and management in health services Work study, method study, process development with time study methods Material requirements planning and management in health institutions Performance Measurement and Evaluation in Health Institutions Quality management and statistical quality control methods |

## Learning Outcomes of Course

| # | Learning Outcomes   |
|---|---|
| 1 | 1-Production management describes the concepts and historical development.  |
| 2 | 2-Capacity explains the importance of planning. Material requirements planning is done. Manages inventory control. Explain why it is important in the concept of performance and efficiency of health care organizations. |
| 3 | 3. Discuss the importance of product and service design.  |
| 4 | 4- Production location make the design.   |
| 5 | 5. Describe the work of the production function and production manager.   |
| 6 | 6- Design and operation of the facility layout.   |

## Course Syllabus

| # | Subjects   | Teaching Methods and Technics     |
|---|--|-----------------------------------|
| 1 | Introduction to Production and Operations Management, Historical Development, Production Relations | Lecture, discussion, presentation |
| 2 | Production Strategy, Production Systems and Types, Service Design                                  | Lecture, discussion, presentation |
| 3 | Demand and Forecasting Methods in Health Services  | Lecture, discussion, presentation |
| 4 | Demand and Forecasting Methods in Health Services  | Lecture, discussion, presentation |
| 5 | Demand and Forecasting Methods in Health Services  | Lecture, discussion, presentation |

|    |   |                                   |
|----|---|-----------------------------------|
| 6  | Feasibility Assessment  | Lecture, discussion, presentation |
| 7  | Feasibility applications in hospitals   | Lecture, discussion, presentation |
| 8  | Midterm Exam  |                                   |
| 9  | Capacity Planning in Health Institutions,   | Lecture, discussion, presentation |
| 10 | Capacity Management in Health Institutions  | Lecture, discussion, presentation |
| 11 | Selection and Management of Health Services Manufacturing Technologies              | Lecture, discussion, presentation |
| 12 | Process Planning in Health Services, Process Analysis                               | Lecture, discussion, presentation |
| 13 | Health Institutions Design  | Lecture, discussion, presentation |
| 14 | Arrangement of settlements in health institutions                                   | Lecture, discussion, presentation |
| 15 | Business Study, Method Study, Time Study and Process Development with these Methods | Lecture, discussion, presentation |
| 16 | Final Exam  |                                   |

## Course Syllabus

| # | Material / Resources  | Information About Resources | Reference / Recommended Resources |
|---|---|-----------------------------|-----------------------------------|
| 1 | 1-Bilal AK, Hastanelerde Üretim Yönetimi, (Mimograf),Hacettepe Üniversitesi Sağlık İdaresi Yüksekokulu,Ankara,2000 2-Bilal Ak,Sağlık Kurumlarında Üretim Yönetimi, (Mimograf), (2016)Tos Üniversitesi, Sağlık Bilimleri Yüksekokulu, Sağlık Yönetimi Bölümü,Mersin 3-Bilal AK, Sağlık İdarecileri için Tedarikleme Fonksiyonu, Sağlık İdaresi Yüksekokulu, Ankara,1982 4-Robert, ZAGER, The Production Planning in the Hospital Administration, Hospital,1962 5-- Elwood, S.,Bufa, Çev.Atilla ,Sezgin, Ankara İTİA Yayını,Ankara, 1981 6- Bülent ,Kobu, Üretim Yönetimi, Beta Basın Yayın, İstanbul, 2010 7- C.Hakan,Kağnıcıoğlu ve arkadaşları, Üretim Yönetimi, Anadolu Üniversitesi Web ve Ofset Tesisleri,Eskişehir, 2012 |                             |                                   |
| 2 | Bilal Ak,Sağlık Kurumlarında Üretim Yönetimi, (Mimograf), (2016)Tos Üniversitesi, Sağlık Bilimleri Yüksekokulu, Sağlık Yönetimi Bölümü,Mersin   |                             |                                   |
| 3 | Bilal AK, Sağlık İdarecileri için Tedarikleme Fonksiyonu, Sağlık İdaresi Yüksekokulu, Ankara,1982   |                             |                                   |
| 4 | Robert, ZAGER, The Production Planning in the Hospital Administration, Hospital,1962  |                             |                                   |
| 5 | Elwood, S.,Bufa, Çev.Atilla ,Sezgin, Ankara İTİA Yayını,Ankara, 1981  |                             |                                   |
| 6 | Bülent ,Kobu, Üretim Yönetimi, Beta Basın Yayın, İstanbul, 2010   |                             |                                   |
| 7 | C.Hakan,Kağnıcıoğlu ve arkadaşları, Üretim Yönetimi, Anadolu Üniversitesi Web ve Ofset Tesisleri,Eskişehir, 2012  |                             |                                   |

## Method of Assessment

| # | Weight | Work Type     | Work Title    |
|---|--------|---------------|---------------|
| 1 | 40%    | Mid-Term Exam | Mid-Term Exam |
| 2 | 60%    | Final Exam    | Final Exam    |

## Relationship between Learning Outcomes of Course and Program Outcomes

| # | Learning Outcomes   | Program Outcomes | Method of Assessment |
|---|---|------------------|----------------------|
| 1 | 1-Production management describes the concepts and historical development.  | 8                | 1,2                  |
| 2 | 2-Capacity explains the importance of planning. Material requirements planning is done. Manages inventory control. Explain why it is important in the concept of performance and efficiency of health care organizations. | 8                | 1,2                  |
| 3 | 3. Discuss the importance of product and service design.  | 8                | 1,2                  |
| 4 | 4- Production location make the design.   | 8                | 1,2                  |
| 5 | 5. Describe the work of the production function and production manager.   | 8                | 1,2                  |
| 6 | 6- Design and operation of the facility layout.   | 8                | 1,2                  |

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method

**Work Load Details**

| #  | Type of Work  | Quantity | Time (Hour) | Work Load |
|----|---|----------|-------------|-----------|
| 1  | Course Duration   | 14       | 2           | 28        |
| 2  | Course Duration Except Class (Preliminary Study, Enhancement) | 14       | 2           | 28        |
| 3  | Presentation and Seminar Preparation                          | 0        | 0           | 0         |
| 4  | Web Research, Library and Archival Work                       | 0        | 0           | 0         |
| 5  | Document/Information Listing                                  | 0        | 0           | 0         |
| 6  | Workshop  | 0        | 0           | 0         |
| 7  | Preparation for Midterm Exam                                  | 1        | 10          | 10        |
| 8  | Midterm Exam  | 1        | 1           | 1         |
| 9  | Quiz  | 0        | 0           | 0         |
| 10 | Homework  | 0        | 0           | 0         |
| 11 | Midterm Project   | 0        | 0           | 0         |
| 12 | Midterm Exercise  | 0        | 0           | 0         |
| 13 | Final Project   | 0        | 0           | 0         |
| 14 | Final Exercise  | 0        | 0           | 0         |
| 15 | Preparation for Final Exam                                    | 1        | 2           | 2         |
| 16 | Final Exam  | 1        | 1           | 1         |
|    |   |          |             | <b>70</b> |