



UNIVERSITY OF
PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

DEPARTMENT OF PHARMACY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY OF PATRAS
SCHOOL OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
UNDERGRADUATE STUDIES' COURSES



COURSE DESCRIPTION: **PHARMACEUTICAL CARE**
COURSE CODE: **PHA-E22-NEW**

**PHARMACEUTICAL CARE
COURSE DESCRIPTION**

1. GENERAL

SCHOOL	HEALTH SCIENCES		
SEPARTMENT	PHARMACY		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	PHA-E22-NEW	SEMESTER OF STUDIES	10th
COURSE TITLE	PHARMACEUTICAL CARE		
INDEPENDENT TEACHING ACTIVITIES	TEACHING HOURS PER WEEK	ECTS CREDITS	
Laboratory Course (Training in Pharmacies open to the public, Obligatory Attendance Lectures and Case Studies)	15	10	
COURSE TYPE	Skills Development		
PREREQUISITE COURSES:	-		
TEACHING AND ASSESSMENT LANGUAGE:	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Not offered		
COURSE WEBPAGE (URL)	http://www.pharmacy.upatras.gr/images/DS/PHA-E22-EN.pdf		

2. LEARNING OUTCOMES

Learning Outcomes
<p>The Learning Outcomes of this course corresponding to Level 7, comprise the following:</p> <ul style="list-style-type: none"> • Highly specialized knowledge, some of it cutting-edge in the field of Pharmaceutical Care, as a base for innovative thinking and research • Critical understanding of the knowledge status in this particular field and its interrelationship with other fields • Specialized skills for problem-solving, necessary in research and/or in innovation, in order to generate novel knowledge and processes • Management and evolution in changing, unpredictable and complex work environments, requiring novel strategic approaches • Responsibility for contributing to the enrichment of professional knowledge and practice in the field <p>In particular, the course aims to familiarize students with three of the most important working environments in which a pharmacist will be called upon to practice his / her science and, in particular, the community pharmacy, the hospital pharmacy and the pharmaceutical industry, as well as the acquisition of knowledge related to their organization, administration and operation.</p> <p>Upon successful completion of the course, the students will:</p> <ol style="list-style-type: none"> 1. have proven knowledge and they will be able to understand the specificities of each workplace and the parameters related to the case-by-case practice of pharmaceutical science.

2. have acquired the experience of contacting the client/patient and have understood the specificity of the relationship developed during the practice of the Pharmacist in a (community) pharmacy open to the public.
3. have realized that as health scientists they should have the knowledge and skills to be able to provide health services.
4. have learned to exchange information and knowledge with other health-scientists, especially in the field of the hospital pharmacy
5. have knowledge of the pharmaceutical industry and the different fields in which a pharmacist can be involved, take up and handle scientifically and professionally, such as management, scientific support, production, quality control, marketing etc.
6. have developed study and perception skills, necessary for their further scientific lifelong training and professional maturity.
7. In conclusion, they will deal with issues that are directly related to the plethora of their professional choices and will have acquired the knowledge and the best possible preparation for the more effective pursuit of Pharmacy Science.

General Abilities

- Data and information retrieval, analysis and combination, using the necessary technologies
- Independent work
- Team-work
- Decision making
- Work in an international environment
- Work in an interdisciplinary environment
- Generation of new research ideas
- Promotion of free, creative and inductive thinking

3. COURSE CONTENT

Obligatory attendance of Seminars by selected professionals, active in the field of Pharmacy, on the following subjects:

- Business Ethics Issues
- Compliance with Security Rules
- Administration of Controlled Prescription Drugs
- Cooperation with Public and Private Institutions and Health care organizations
- Organization of Hospital Pharmacies-Specificities
- Quality Control (Raw Materials- Processes - End-Products)
- Compilation of New Medicines Approvals Folders
- Compilation of Audit Reports
- Approved Drug Production Rules (Good Manufacturing Practice)
- Methods' Validation Verification
- Quality Assurance

Training in Pharmacies Open to the Public

- Recipes (Reading, Recognition, Filling)
- Handling Special Prescription Cases (misdiagnosis, incomplete prescribing)
- Proper Maintenance of the Official Pharmacy Registry
- Interviewing patients/clients – Obtention and analysis of patient health record
- Advising patients/clients
- Emergency Assistance (First Aid) in the Pharmacy Area
- Delivery of vaccines
- Galenic Formulation

4. TEACHING AND LEARNING METHODS - ASSESSMENT

Teaching method	Face to Face										
Use of information and communication technologies	<ul style="list-style-type: none"> Teaching and Learning processes are supported by the Upatras e-class platform. The teaching material (lectures, tutorials, laboratory experimental protocols) is uploaded and stored on e-class and it is freely accessible by the students. Teaching process is supported by Information and Communication Technologies (ICTs). 										
Teaching organization	<table border="0"> <tr> <td>Teaching Method</td> <td>Semester Workload</td> </tr> <tr> <td>Lectures with obligatory attendance; depending on the subject matter, case studies are thoroughly examined and analyzed, giving to the course a lab-seminar character &</td> <td></td> </tr> <tr> <td>Personal training in community pharmacies</td> <td>195</td> </tr> <tr> <td>Unsupervised study</td> <td>55</td> </tr> <tr> <td>Total number of hours for the Course (25 hours of work-load per ECTS credit)</td> <td>250</td> </tr> </table>	Teaching Method	Semester Workload	Lectures with obligatory attendance; depending on the subject matter, case studies are thoroughly examined and analyzed, giving to the course a lab-seminar character &		Personal training in community pharmacies	195	Unsupervised study	55	Total number of hours for the Course (25 hours of work-load per ECTS credit)	250
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STUDENT ASSESSMENT	<p>Assessment language: Greek</p> <p>Written exams: Multiple choice questions, short answer questions, matching questions, terminology understanding assessment</p>										

5. RECOMMENDED LITERATURE

- Bassen, A., & Kovacs, A. M. M., «The Corporate Governance of Listed Companies: A Manual for Investors», CFA Institute, 2008.
- Beardwell, I. & Holden, L., *Human Resource Management: A contemporary approach*, 3d Edition, Pearson Education, Essex, 2001.
- Belasco, J. A. & Stayer, R. C., *Το πέταγμα του βούβαλου*, Εκδόσεις Κριτική, 1η Έκδοση, 2000.
- Benchmarking: An International Journal (Previously Benchmarking for Quality Management & Technology).
- Bernardin, J. & Russel, J., *Human Resource Management, An experiential Approach*, McGraw-Hill Book Co-Singapore, 2nd Edition, 1998.164
- Blanchard, K., *Πελατομανία*, Εκδόσεις Κλειδάριθμος, 2007.
- Blanchard, K., *Το μπράβο της Φάλαινας*, Εκδόσεις Κλειδάριθμος, 1η Έκδοση, 1997.
- Bovée, C. L., Thill, J. V., *Business Communication Today*, McGraw-Hill, 1992.
- Chan Kim, W., Mauborgne, R., *Η στρατηγική των Γαλάζιων Ωκεανών*, Εκδόσεις Κριτική, 1η Έκδοση, 2006.
- Cherniss, C. & Goleman, D., *The Emotionally Intelligent Workplace: How to Select For, Measure, and Improve Emotional*
- Intelligence in Individuals, Groups, and Organizations*, Jossey-Bass, 2001.
- Crainger, St., Des Derlove, *Η επιχείρηση στη νέα εποχή*, Εκδόσεις Κριτική, 1η Έκδοση, 2005.
- De Meyer, A., Dutta, S., Srivastawa, S., *The Bright Stuff, How Innovative People and Technology Can Make the Old Economy New*, Prentice Hall, 2001.
- Donnellon, A., *Οδήγησε την ομάδα σου στην επιτυχία*, Harvard Business School Press, Εκδόσεις Κριτική, Αθήνα 2007.
- Forsynth, P., *Πώς να διαχειριστείτε σωστά τον χρόνο σας*, Εκδόσεις Ελευθερουδάκη, 1η Έκδοση, 2007.

- Freeman, R. E., McVea, J., «A stakeholder approach to strategic management», *Performance Evaluation*, Volume 49, Issues 1-4, pages 241-256, September 2002.
- Freudenberger, H. J. & Richelson, G., *Burnout: The High Cost of High Achievement*, Anchor Press, 1980.
- Friedman, M., *Capitalism and Freedom*, University of Chicago Press, 1962.
- Goleman, D., *Η συναισθηματική νοημοσύνη στο χώρο της εργασίας*, Εκδόσεις Ελληνικά Γράμματα, Αθήνα, 1999.
- Goleman, D., Boyatzis, R., McKee, A., *Ο νέος ηγέτης. Η δύναμη της συναισθηματικής νοημοσύνης στη διοίκηση οργανισμών*, Εκδόσεις Ελληνικά Γράμματα, Αθήνα, 2002.
- Grant, R. M., *Contemporary Strategy Analysis*, Blackwell Publishing, 5th edition, 2005.
- Harrison, S., *Handbook of Strategic Management*, Wiley-Blackwell, 2005.
- Harvard Business Review, *Για την Ηγεσία*, Εκδόσεις Κλειδάριθμος, 2003.
- Heller, R., *Ο χειρισμός των ομάδων*, Εκδόσεις Ελληνικά Γράμματα, Αθήνα, 2001.
- Jongenward, D., *Everybody Wins: Transactional Analysis Applied to Organizations*, Addison-Wesley, Reading, Mass, 1971.
- Jossien, M., Βαγιάτης, Γ. & Γιαννουλέας, Γ., *Η Επικοινωνία Μέσα και Έξω από τον Εργασιακό Χώρο*, Εκδόσεις Ελληνικά Γράμματα, 1995.
- Mai-Dalton, R., *The influence of training and changes in position power in leader behavior*, University of Washington, Seattle, 1985.
- Maslach, C., Jackson, S.E. & Leiter, M., *Maslach Burnout Inventory: Manual*, Palo Alto, CA: Consulting Psychologists Press, 3rd Edition, 1996.
- Maslach, C., Jackson, S.E. & Leiter, M., *Maslach Burnout Inventory: Third Edition*. In C.P. Zalaquett & R.J. Wood (Eds.), *Evaluating stress: A handbook of resources* (pp. 191-218), London, Scarecrow Press, 1997.
- Maslow, A., *A Theory of Human Motivation*, Paperback, 2013.
- Maxwell, J. C., *Οι 21 απαραίτητες αρετές του ηγέτη*, Εκδόσεις Κλειδάριθμος, 1η Έκδοση, 2001.
- Maxwell, J. C., *Οι 21 απαραίτητοι νόμοι της ηγεσίας*, Εκδόσεις Κλειδάριθμος, 1η Έκδοση, 2001.
- Maxwell, J. C., *The 17 Essential Qualities of a Team Player: Becoming the Kind of Person Every Team Wants*, Thomas Nelson, 2002.
- McKenna, E., *Business Psychology and Organizational Behaviour*, A student's Handbook Psychology Press, 3rd Edition, 2000.
- Mertzanis, C., «Corporate Governance for private and state-owned enterprises», www.SourceOECD.org, 2011.
- Montana P. & Charnov B., *Μάνατζμεντ, Σειρά οικονομία & επιχείρηση*, Εκδόσεις Κλειδάριθμος, Αθήνα, 2000.
- Muchinsky, P. M., *Psychology Applied to Work*, Hypergraphic Press, 9th Edition.
- O'Connor, D.J., «The nature of educational theory», *Journal of Philosophy of Education*, Volume 6, Issue 1, pages 97–109, January 1972.
- OECD, «Principles of Corporate Governance» (www.oecd.org), 2004.
- OECD, «Using OECD Principles of Corporate Governance: A Boardroom Perspective», (www.oecd.org), 2008.
- OECD, «Corporate Governance and the Financial Crisis: Key Findings and Main Messages», (www.oecd.org), 2009.
- Ros, J., *Η ομάδα που κερδίζει*, Εκδόσεις Μ. Γκιούρδας, Αθήνα, 2004.
- Ryback, D., *Putting emotional intelligence to work. Successful leadership is more than iQ*, Butterworth-Heinemann, 1998.
- Stogdill, R. M., «Personal factors associated with leadership: A survey of the literature», *Journal of Psychology*, 25, 1948.

- Tesser, A., Rosen, S. & Tesser M., «On the reluctance to communicate undesirable messages (the MUM effect): A field study», Edited by Robert A. Giacalone-Paul Rosenfeld, 1971.
- Thayer, Br., Ο δικτυωτής του ενός λεπτού, Εκδόσεις Θέσις, 1η Έκδοση, 2007.
- Thornton, Gr., «Έρευνα Εταιρικής Διακυβέρνησης», 2011.
- Torrington, D., Hall, L., Personal Management: A New Approach, Prentice-Hall, 1987
- Verderber, R.F., Η τέχνη της επικοινωνίας, Εκδόσεις Έλλην, 8η Έκδοση, 1998.
- Wilson, C., Performance Coaching, Ed. Kogan Page, 2nd Edition, 2014
- Zaleznik, A., « Managers and leaders, are they different? », Harvard business Review, 1977.
- Zipkin, P., Foundations of Inventory Management, McGraw-Hill, New York, 2000.
- Zyglidopoulos, S. C., «The social and environmental responsibilities of multinationals: Evidence from the Brent Spar Case», Journal of Business Ethics, 2002.
- Maxwell, J. C., Οι 21 απαράβατοι νόμοι της ηγεσίας, Εκδόσεις Κλειδάριθμος, 1η Έκδοση, 2001.
- Maxwell, J. C., The 17 Essential Qualities of a Team Player: Becoming the Kind of Person Every Team Wants, Thomas Nelson, 2002.
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- Mertzanis, C., «Corporate Governance for private and state-owned enterprises», www.SourceOECD.org, 2011.
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- Muchinsky, P. M., Psychology Applied to Work, Hypergraphic Press, 9th Edition.
- O'Connor, D.J., «The nature of educational theory», Journal of Philosophy of Education, Volume 6, Issue 1, pages 97–109, January 1972.
- OECD, «Principles of Corporate Governance» (www.oecd.org), 2004.
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- OECD, «Corporate Governance and the Financial Crisis: Key Findings and Main Messages», (www.oecd.org), 2009.
- Pinedo, M., Scheduling: Theory, Algorithms and Systems, Prentice Hall, Englewood Cliffs, N.J., 2nd Edition, 2001.
- Price, A., Principles of Human Resources Management, An Active Learning Approach, Blackwell Publishers Inc, Oxford, UK, 2000.
- Ros, J., Η ομάδα που κερδίζει, Εκδόσεις Μ. Γκιούρδας, Αθήνα, 2004.
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