

COBRAMAN



Manager Coordinating Brownfield
Redevelopment Activities

CENTRAL EUROPE Project 1CE014P4 COBRAMAN

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Study Course Manual of Brownfield Manager Study Courses

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Structure of Brownfield Manager Education

6.1.2 **Postgradual, non-gradual degree**: Post gradual studies “Brownfield Management” Economical University of Bydgoszcz (PP3)

6.1.2 **Gradual degree: Master study** – „European School for Brownfield Redevelopment“ – VSB – Technical University of Ostrava (PP5)

Postgraduate studies „Revitalization Project Management”

2010/2011

Centre of the Postgraduate Education and Trainings
Postgraduate studies of the University of Economy in Bydgoszcz

The information required to describe the studies

1. Course name:

BROWNFIELD MANAGEMENT

2. Aim of studies:

The scope of specialties includes development of creation and project management skills including brownfields and degraded sites. The dynamic technological progress forces us to occupy new space or modernize the sites which have already been developed. This phenomenon is now of particular importance in many metropolitan areas in Poland, and also in Europe, where some cities face many problems related to buildings. A large number of degraded areas, a tremendous impact on the landscape industry, changes in the formation of sites and the need to rebuild the infrastructure require specialists in urban planning with special knowledge of regeneration issues.

Modern conditions have caused the demand for new professionals - project managers who could effectively create revitalization projects, and then skillfully manage them both in the public and private sector. This profession requires a wide knowledge in the field of effective management, real estate management and architecture and urban planning, environmental protection and socio-economic sciences and law.

3. Addressees/ recipients / participants

Studying for the space concerned, councilors, government and municipal administration employees, private sector representatives interested in investing, geographers, designers: architects, , urban planning and construction engineers etc.

4. Requirements for candidates.

- Completion of higher education with a master's degree.
- Possession of a master's degree in one of the following directions or specialties:
 - management
 - real estate management
 - architecture and urban planning
 - special development
 - urban spatial planning
 - geography
 - environmental preservation
 - the construction industry

5. Obtained qualifications and additional certifications

Postgraduate Diploma of Management revitalization of brownfield sites

6. Lecturers (silhouettes)

- Professionals from Academy of Economy in Bydgoszcz
- Lecturers from the Technical University of Ostrava (lectures on invitation)
- Practitioners from Central Europe and Poland (lectures on invitation)

7. Program of studies - Framework and detailed (*)

The curriculum includes lectures on contemporary issues of development and revitalization of cities in Europe and Poland. In particular, they take into account issues connected with brownfield management, urban planning and social processes associated with degradation and disfunction of urban areas and methods and instruments aimed at overcoming these phenomena. In addition to lectures, the program of study includes a large number of seminars and workshops aimed at carrying out the tasks of analysis and conceptual planning and brownfield management.

8. External partner

Technical University of Ostrava (Czech Republic)

RNDr. Alena Labodová, Ph.D.

Doc. Ing. Barbara Stalmachová, CSc.

There is a possibility of students exchange within the ERAZMUS program.

9. Syllabi for different subjects

These syllabi are required to be handed in just in time for the specific study, prepared by the instructors.

10. Form of studies (examinations, tests, defense)

Lectures: Oral exam, written exam

Classes: Credit assessment

Conditions of credit classes:

- the corresponding number of points of colloquia
- attendance

Terms of credit workshops:

attendance

11. The duration of studies

two terms, number of hours in total 240

12. Substantive coordinator / director of studies: dr Joanna Nieżurawska

*) The program of studies

1. Postgraduate Course name:

Nr	Subjects	Course Hours (h)	Basic forms of activity	Lecturers
1.	Fundamentals of Management: <ul style="list-style-type: none"> ▪ The essence of management ▪ Management Features ▪ Planning ▪ Organization ▪ Control ▪ The essence and role of the Brownfield Manager ▪ Human Resources Management ▪ Managing changes 	24 h 16 h	Lecture classes	prof. dr hab. Lech Nieżurawski mgr inż. Agnieszka Goździewska
2.	Project management: <ul style="list-style-type: none"> ▪ Introduction to Project Management ▪ Project Scope ▪ Strategy of project contractor ▪ Project specification ▪ Estimating project costs 	16 h 12 h	lecture workshops seminars	dr Iwona Posadzińska mgr Mariusz Barczak
3.	Property Management: <ul style="list-style-type: none"> ▪ Property as a subject of management ▪ Characteristics of property management ▪ The role of property manager ▪ Brownfield facilities management ▪ Real estate market and its specificity 	8 h	lecture	dr Lucyna Korona
4.	Spatial development: <ul style="list-style-type: none"> ▪ Spatial Planning ▪ The Development Plan ▪ The strategy for sustainable development in spatial planning 	8 h 8 h	lecture case study	dr inż.arch. Krzysztof Borowski
5.	Aspects of financial and economic revitalization projects <ul style="list-style-type: none"> ▪ Financial Analysis ▪ Evaluation of economic 	12 h 12 h	lecture workshops	dr Jerzy Kozłowski

	efficiency of investment • Basics of designing a business plan			
6.	Sources of funding projects • Introduction to European Funds • Cohesion Policy • ERDF • National Cohesion Strategy • Operational Programmes	8 h	workshops	mgr Inga Katlewska
7.	The processes of revitalization in the modern economy • Modern processes of urban and rural development • Methods for planning the process of revitalization • Architectural aspects of urban regeneration • The implementation of revitalization programs and projects • The implementation of revitalization projects	24 h 12 h	lecture project	mgr Magdalena Jasińska mgr Dominika Muszyńska
8.	European programs and projects for the revitalization of degraded areas • Issues of transformation and project preparation of revitalization programs • Project Management of revitalization projects in Europe. • Selected projects by type of terrain features in development. • Urban Renewal programs in selected European Union. • Discussion of selected examples. • Regeneration projects in the Regional Operational	10 h 10 h	lecture workshops	mgr Magdalena Jasińska mgr Dominika Muszyńska

	Programmes			
9.	Legal aspects of the revitalization processes <ul style="list-style-type: none"> ▪ Basic concepts and legal principles ▪ Taxes and fees ▪ Sources of tax law ▪ Tax liability ▪ Types of taxes and charges ▪ Basics of construction law 	8 h	lecture	dr Krzysztof Sidorkiewicz
10.	Environmental protection of degraded areas <ul style="list-style-type: none"> ▪ Environmental policy ▪ Reclamation of polluted areas ▪ Assessment of the environmental aspect 	10 h 6 h	Lecture classes	dr inż. Cezary Kościelak
11.	Socio-cultural aspects of revitalization <ul style="list-style-type: none"> ▪ Specificity of social problems in areas of former industrial ▪ Importance of public participation in the revitalization ▪ Methods and ways of activating and involving residents in the revitalization process ▪ Communication in the revitalization process(stakeholders) ▪ Educational Products as part of the revitalization process management 	10 h 6 h	Lecture classes	dr Agnieszka Jeran mgr Paulina Bąk
12.	Case studies	12 h		
13.	Diploma seminar	8 h		
		240 h		

The list of participants

L.p.	Student's status	Course's name	Student's name	Student's PESEL
1.	Student	ZPR/10	BABICKA EWELINA	83062105306
2.	Student	ZPR/10	DECZYŃSKA-SADOWSKA ANNA	79121705165
3.	Student	ZPR/10	DĘBSKI ADRIAN ŁUKASZ	86012506431
4.	Student	ZPR/10	DYTŁOW SANDRA JOANNA	78030804989
5.	Student	ZPR/10	GAPIŃSKA AGNIESZKA MARTA	78081403588
6.	Student	ZPR/10	GRZECHOWIAK TOMASZ	83052001892
7.	Student	ZPR/10	IMIELA AGNIESZKA MARIA	82061108068
8.	Student	ZPR/10	JURKOWSKA AGNIESZKA	79093009940
9.	Student	ZPR/10	KARNOWSKA ANNA MARIA	81022703223
10.	Student	ZPR/10	KARNOWSKA MAŁGORZATA ZOFIA	83040202461
11.	Student	ZPR/10	KAWCZYŃSKA KAMILA	81052403409
12.	Student	ZPR/10	KOWALKOWSKA SYLWIA ELŻBIETA	81010409786
13.	Student	ZPR/10	KOŹMA PAWEŁ PRZEMYSŁAW	83082020333
14.	Student	ZPR/10	KUŁACZKOWSKA ALEKSANDRA KAMILA	85042301544
15.	Student	ZPR/10	LEIS AGNIESZKA EWA	83092501945
16.	Student	ZPR/10	ŁĄCZYŃSKA GRAŻYNA AGNIESZKA	81102712127
17.	Student	ZPR/10	MAJEWSKA JOWITA ELŻBIETA	84110607768
18.	Student	ZPR/10	OCZKOŚ ELŻBIETA	57050511725
19.	Student	ZPR/10	PILARCZYK AGNIESZKA KAROLINA	81091207343
20.	Student	ZPR/10	PRNOBIS BOGUMIŁ	63011602535
21.	Student	ZPR/10	PRNOBIS DOROTA	64031905088
22.	Student	ZPR/10	PRZYBYLSKI MARCIN	76042012095
23.	Student	ZPR/10	SPISAK WERONIKA	85010815507
24.	Student	ZPR/10	STAŃCZYK IWONA	72061001089
25.	Student	ZPR/10	SZMYT RAFAŁ ALEKSANDER	70100406079
26.	Student	ZPR/10	ŚCIESZYŃSKA KARINA BEATA	78061707826
27.	Student	ZPR/10	TURALSKI MACIEJ MATEUSZ	83061902553
28.	Student	ZPR/10	URBANEK PIOTR RADOSŁAW	86041706170
29.	Student	ZPR/10	WALKOWSKI KRZYSZTOF	79022703695
30.	Student	ZPR/10	WASILEWSKI MARCIN WOJCIECH	85021402657
31.	Student	ZPR/10	WIEKIERAK ANDRZEJ KRZYSZTOF	81050202550

Time and contingency plan

completed	I session	26 - 28 November 2010
completed	II session	10 - 12 December 2010
completed	III session	14 - 16 January 2011
completed	IV session	28 - 30 January 2011
completed	V session	18 - 20 February 2011
completed	VI session	04 - 06 March 2011
	VII session	18 - 20 March 2011
	VIII session	01 - 03 April 2011
	IX session	15 - 17 April 2011
	X session	13 - 15 May 2011

Content of the study courses - syllabus

Basics of Management

The University of Economy in Bydgoszcz Postgraduate studies "Revitalization Project Management" 2010/2011

1. **Lecturer:** prof. dr hab. Lech Nieżurawski, dr Joanna Nieżurawska
2. **Faculty:** Revitalization Project Management
3. **Subject:** Basics of Management
4. **Number of hours according to the program:** 30hrs, including 8 hrs of e-learning
5. **Learning objectives:**

L.p.	What knowledge should students acquire? ¹ They should:
1.	Have the knowledge of the terminology in the field of management theory
2.	Understand the concepts of organizational management
3.	Know in detail the functions of management, including planning, organizing, motivating and controlling.

L.p.	What skills should students gain? ² They should:
1.	Efficiently use the terminology of management
2.	Design an organizational structure
3.	Choose an organizational and legal form
4.	Create plans for the organization activities
5.	Control the functioning of the organization
6.	Identify means to motivate
7.	Create effective systems to motivate employees

¹ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

² Ability to define specific concepts and their classification and understanding (explanation), use (prediction), analysis, synthesis (discussion) and evaluation (expressing an opinion) delivered at the lecture.

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	<p>Introduction to management and organization</p> <ul style="list-style-type: none"> • Lesson Objective • Introduction to management and organization • Classic management concepts • The essence of management and organization (planning, organizing, directing, motivating) • Planning • Organizing as a managerial function • Self-checking test 	4 hrs/ lecture	E-LEARNING
2.	<p>Manager and its role in the organization</p> <ul style="list-style-type: none"> • Sources of power within the organization • Manager as a leader • The characteristics and skills of managers • Leadership within the organization 	4 hrs/ lecture	Lecture
3.	<p>The circle of the organization</p> <ul style="list-style-type: none"> ▪ The concept of the circle of the organization ▪ Internal and external ▪ Analysis of competitive environment of the organization ▪ Model of the circle of the organization 	4 hrs/ lecture	Lecture
4.	<p>Organisational structures:</p> <ul style="list-style-type: none"> ▪ The concept of organizational structure ▪ Formalization, organizational hierarchy, centralization, span of management ▪ Functions of the organizational structure ▪ Types of organizational structures (linear, functional, linear-staffs, matrix) 	4 hrs/ lecture	Lecture
5.	<p>Planning in organization:</p> <ul style="list-style-type: none"> ▪ The concept and process of planning ▪ The types of plans (strategic, tactical, operational) ▪ Dimensions of the planning process ▪ Planning in the process of development of the company ▪ Practical aspects of planning in business 	4 hrs/ lecture	Lecture

6.	<p>Organization:</p> <ul style="list-style-type: none"> ▪ The concept of organization and organizing ▪ Organizing as a function of management ▪ Process and problems associated with organizing 	2 hrs/ lecture	Lecture
7.	<p>How to be a good manager? Effective targeting, motivating and rewarding</p> <ol style="list-style-type: none"> 1. Lesson objectives 2. Roles and skills of managers and employees 3. Management styles <ol style="list-style-type: none"> 3.1. Types of styles of management 3.2. Management styles according to Hersey and Blanchard 4. Motivating employees <ol style="list-style-type: none"> 4.1. Theoretical foundations of employee motivation 4.2. The process of motivation 4.3. Instruments of motivating 5. Wages as a factor of stimulating the motivation <ol style="list-style-type: none"> 5.1. The essence of wages 5.2. Wages 5.3. Short-term benefits variables 5.4. Benefits 6. Self-checking test 	4 Hrs / lecture	E-LEARNING
8.	<p>Human Resources Management:</p> <ul style="list-style-type: none"> - Background of human resources - The concept of human resource management - Models of Human Resources management 	2 h - wykład	WYKŁAD
9.	<p>Controlling in organizations:</p> <ul style="list-style-type: none"> ▪ The concept of controlling ▪ The types of process of control ▪ Tasks and functions of controlling ▪ Monitoring vs controlling audit 	2 h - wykład	WYKŁAD

7. Bibliography:

Basic bibliography:

- Griffin R.W., *Principles of management*, Publisher: PWN, Warsaw, 2007.
- Koźmiński A.K., Piotrowski W., *Management. Theory and Practice*, Publisher: PWN, Warsaw, 2007.
- Nieżurawski L., Posadzińska I., *Fundamentals of business management*, Institutional Publishers University of Technology and Life Sciences in Bydgoszcz, Bydgoszcz 2008.

Further reading:

- Nieżurawski L. (red.), *Bases of organization and business management*, Wydawnictwo Uniwersytetu Warmińsko-Mazurskiego w Olsztynie, Olsztyn 2005.
- Poczowski A., *Human Resources Management. An outline of issues and methods*, Antykwa, Kraków 2006.
- Nieżurawska J., *Flexible wage systems in companies in Poland*, TNOiK, Dom Organizatora, Torun, 2010.
- Zawadzak T., *Fundamentals of management organization*, Wydawnictwo „Adam Marszałek”, Torun, 2007.

Project Management

**The University of Economy in Bydgoszcz Postgraduate studies
„Revitalization Project Management”
2010/2011**

1. **Lecturer:** dr Iwona Posadzińska
2. **Faculty:** Revitalization Project Management
3. **Subject:** Project Management
4. **Number of hours according to the program:** 15 hrs
5. **Learning objectives:**

L.p.	What knowledge should students acquire? ³ They should:
1.	Be familiar with the concept and the structure of the project
2.	Have knowledge of project life cycle.
3	Identify areas and tasks in a project
4	Know the powers and role of the project manager
5.	Understand the principles and modern project management tools

L.p.	What skills should students gain? ⁴ They should:
1.	Have the ability to define, plan and implement the project
2.	Be familiar with the scope and rules for the preparation of basic documents of the project
3.	Have the ability to generate ideas which initiate project tasks

³ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

⁴ Ability to define specific concepts and their classification and understanding (explanation), use (prediction), analysis, synthesis (discussion) and evaluation (expressing an opinion) delivered at the lecture.

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	Concept and features of the project <ul style="list-style-type: none"> ▪ Concept of the project ▪ Features of the project ▪ Types of the project ▪ The role and place of projects in management ▪ Structure of project management 	2	lecture, classes
2.	Project management as a process <ul style="list-style-type: none"> ▪ Project life cycle ▪ Characteristics of the various phases of the project life cycle 	3	lecture
3.	Identification of the project <ul style="list-style-type: none"> ▪ Identifying the need - to initiate and define a project ▪ Definition of project objectives ▪ Identifying project tasks ▪ Project risk analysis 	2	lecture, classes
4.	Planning a project <ul style="list-style-type: none"> ▪ Logical project matrix ▪ Planning the project process and resources ▪ Plan and budget ▪ Assessment of the project feasibility 	3	Lecture, classes
5.	Supervising the implementation of the project <ul style="list-style-type: none"> ▪ Monitoring project implementation ▪ Implementation procedures 	2	Lecture
6.	The role of the project manager <ul style="list-style-type: none"> ▪ Features of the project manager ▪ Position of the project manager ▪ Competence of the project manager ▪ Organization of a project team 	1	Lecture
7.	Closing and evaluating the project <ul style="list-style-type: none"> ▪ Rules of project control ▪ Indicators of project evaluation 	2	Lecture, classes

7. Bibliography:

Basic bibliography:

- Pawlak M., Project Management, PWN, Warsaw, 2007
- Stabryła A., *Economic and Organizational Project Management*, PWN, Warsaw, 2006
- Trocki M.: *Project management*, Warsaw: PWE 2003
- Chruściki Z.: *Project management- Management Task Forces*, Warsaw, C.H.Beck, 2001

Further reading:

- *Strategor. Business Management. Strategies, Structures, Decisions, Identity*, Warsaw: PWE 1999
- Burton C., Michael N.: *Project Management*, Warsaw: Wydawnictwo Astum, 1999
- Brandenburg H., *Project Management*, Gliwice: Wydawnictwo Politechniki Gliwickiej, 2000
- Kerzner H., *Project Management: A System Approach to Planning, Scheduling and Controlling*, 7 ed., John Wiley&Sons, Inc.

Property Management

The University of Economy in Bydgoszcz Postgraduate studies „Revitalization Project Management” 2010/2011

- 1. Lecturer:** dr inż. Lucyna Korona
- 2. Faculty:** Revitalization Project Management
- 3. Subject:** Property Management
- 4. Number of hours according to the program:** 8 hrs
- 5. Learning objectives:**

L.p.	What knowledge should students acquire? ⁵ They should:
1.	Refer to the general issues of property management
2.	Learn the rules of the management of real estate owned by the Treasury and local governments
3.	Get to know the technical and organizational aspects of property management
4.	Get to know the economic and financial aspects of property management

L.p.	What skills should students gain? ⁶ A student should:
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⁵ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

⁶ Ability to define specific concepts and their classification and understanding (explanation), use (prediction), analysis, synthesis (discussion) and evaluation (expressing an opinion) delivered at the lecture.

1.	Have the ability to define terms related to property management
2.	Have the ability to identify sources of information about the properties
3.	Make the property division and classification
4.	Have the ability to use a set of legal acts regulating the real estate economy
5.	Have the ability to define technical and organizational issues that occur in the processes of property management
6.	Have the ability to determine the economic and financial aspects of real estate
7.	Acquire knowledge of property valuation methods
8.	Assess the trend in the real estate market

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	Introduction	8 hrs	Multimedia lecture using interactive forms of activation listeners
2.	The nature and objectives of the property management		
3.	Business forms		
4.	Interdisciplinary character of the property management		
5.	Sources of information about property		
6.	Division and classification of real estate		
7.	Legal basis of property management		
8.	Property management as an occupation		
9.	Building maintenance		
10.	Technical conditions of the buildings		
11.	Property Maintenance - manager responsibilities		
12.	Technical inspections of buildings and equipment		
13.	Property management plan,		
14.	Taxes and fees related to real estate		
15.	Real estate valuation		
16.	Survey and analysis of the real estate market for management		

7. Bibliography:

- [1] Collective work edited by Kosmowski R. and Bęćławska I., 2010, Guide of property manager. Taxation - Management - Investments - Finance - Legal regulations. Publisher: Verlag Dashofer, Warsaw;
- [2] Bończak-Kucharczyk, E., 2010, residential property management. Legal and organizational aspects. Publisher: Wolters Kluwer, Cracow;
- [3] Dydenko J., 2008, Property Management, Publisher: Wolters Kluwer, Cracow;
- [4] Jędruszek L., 2010, Responsibility in the field of property management. Appraisers, brokers, managers. Publisher: CH Beck, Warsaw;
- [5] R. Niemczyk, 2009, Economy and real estate, Publisher: Difin, Warsaw;
- [6] Act of 21 August 1997 on Real Estate;
- [7] I. Weiss, R. Jurga, 2007, Investment Building Publisher: CH Beck, Warsaw.

Aspects of financial and economic revitalization projects

The University of Economy in Bydgoszcz Postgraduate studies „Revitalization Project Management” 2010/2011

1.Lecturer: dr Jerzy Kozłowski

2.Faculty: Revitalization Project Management

3.Subject: Aspects of financial and economic revitalization projects

4.The number of hours according to the program: 12lectures, 12classes

5.Teaching objectives:

L.p.	What knowledge should a student acquire? ⁷
1.	A student should obtain skills and competence to understand: the basic categories and economic processes, conditions and ways to control these processes to increase efficiency in waste management.
2.	A student should know the characteristics of market mechanisms and their conditions and rules of economic choices of operators and, in particular economic decisions acting on the four basic market structures, in conjunction with the processes of revitalization.

L.p.	What skills should a student gain? ⁸
1.	Develop the ability to perceive relationships between units covering the entire national economy for the revitalization.
2.	Develop skills in macroeconomic models in explaining relationships and mechanisms operating in the scale of the national economy.

6. Course content:

⁷ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

⁸ Ability to define specific concepts and their classification and understanding (explanation), use (prediction), analysis, synthesis (discussion) and evaluation (expressing an opinion) delivered at the lecture.

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	<ul style="list-style-type: none"> Basic categories covering the entire national economy and methods of measuring 	2	Lecture/classes
2.	<ul style="list-style-type: none"> Balance in the goods and service market 	2	Lecture/classes
3.	<ul style="list-style-type: none"> economic, financial and indicator analysis 	2	Lecture/classes
4.	<ul style="list-style-type: none"> assessment of economical efficiency of the investment 	2	Lecture/ classes
5.	<ul style="list-style-type: none"> Business plan 	2	Lecture/ classes
6.	<ul style="list-style-type: none"> Impact of globalization on the economy 	2	Lecture/ classes

7. Bibliography:

Basic bibliography:

- Begg D., Fischer S., Dornbusch, 2007, *Economics, v. 2, Macroeconomics*, PWE, Warsaw.
- Smith P., Begg D., 2001, *Economy, v. 3, Set of tasks*, PWE, Warsaw.
- Jarmołowicz W., 2008, *Fundamentals of Macroeconomics*, Publisher of University of Economics, Poznan.
- Milewski R., Kwiatkowski E. red. *Principles of Economics*, 2005, PWN, Warsaw

Further reading:

- Krawczyk M., Malinowski D., 2008, *Economy in examples*, Publishing House of School of Economics, Warsaw.
- Stiglitz J., 2004, *Public Sector Economics*, PWN, Warszawa.
- Nordhaus W. D., Samuelson P. A., 2004, *Economy, v. 1 and 2*, PWN, Warsaw.
- Milewski R., Kwiatkowski E., red., *Fundamentals of economics, Exercises and tasks 2006*, PWN, Warsaw

Socio-cultural aspects of revitalization

The University of Economy in Bydgoszcz Postgraduate studies „Revitalization Project Management” 2010/2011

1.Lecturer: dr Agnieszka Jeran, mgr Paulina Markiewicz

2.Faculty: Revitalization project management

3.Subject: Socio-cultural aspects of revitalization

4.The number of hours according to the program: 16 (10 lectures, 6 workshops)

5.Teaching objectives:

L.p.	What knowledge should a student acquire? ⁹
1.	Basic concepts of urban sociology
2.	The concept of civil society, participation, social communication in the context of the revitalization process
3.	Ranges and tools in the revitalization of the impact of Public Relation
4.	Basic tools of social quantitative and qualitative research

L.p.	What skills should a student gain? ¹⁰
1.	Creation of social description of a brownfield
2.	Designing surveys and qualitative research
3.	Designing the process of public consultations
4.	Identifying the key channels of communication and opinion leaders

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	Brownfield sites as a part of the urban fabric of the city as <ul style="list-style-type: none"> • Specificity of social structure • industrial site as part of a separate and incorporated into the city. Social problems of the brownfields. 	3	Lecture, case study
2.	Social participation <ul style="list-style-type: none"> • Definitions • Range of participation • Civil society engagement and regeneration 	3	Lecture, case study
3.	Mechanisms to enable residents in decision-making: <ul style="list-style-type: none"> • The study reviews • the public consultation • search for leaders 	6	Workshops
4.	Communication in the revitalization process <ul style="list-style-type: none"> ▪ Channels of mass communication ▪ Channels of direct communication ▪ The tools of PR in the revitalization process 	2	Lecture

⁹ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

¹⁰ Ability to define specific concepts and their classification and understanding (explanation), use (prediction), analysis, synthesis (discussion) and evaluation (expressing an opinion) delivered at the lecture.

5.	Education of residents and decision makers <ul style="list-style-type: none"> ▪ The use of informal learning processes - opinion leaders, gatekeepers ▪ Formal learning - the potential to communicate and generate commitment 	2	Lecture, case study
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7. Bibliography:

- *Time of civil society: between theory and practice*, ed. B.Krauz-Monzer, P.Borowiec, Cracow: Jagiellonian University, 2006
- Jałowiecki B., M.S.Szczepański, *Town and space in sociological perspective*, Warsaw: Wydawnictwo Naukowe Scholar, 2006
- Maison D., *Focus group interviews*, PWN, 2001
- Malikowski M., *Sociological study of the city. Problems of conceptual, theoretical and methodological*, Rzeszów: Wyższa Szkoła Pedagogiczna, 1992
- Citizens jointly decide,
http://nsro.ngo.pl/files/konsultacje.ngo.pl/public/Dok.ngos/obywatele_wspoldecyduja.pdf
- Oppenheim A.N., *Questionnaires, interviews, measurement of attitudes*, Zysk i S-ka.
- *Handbook of revitalization. Policies, procedures and working methods of contemporary revitalization processes*, The office of housing and urban development, Warsaw 2003,
http://historiasztuki.uni.wroc.pl/sklad/azk/podrecznik_rewitalizacji.pdf
- *Development – region – society*, G.Gorzela, M.S.Szczepański, T.Zarycki (red.), Warsaw-Katowice: University of Warsaw, University of Silesia, 1999

Spacial development

The University of Economy in Bydgoszcz Postgraduate studies „Revitalization Project Management” 2010/2011

1.Lecturer: dr inż. architekt Krzysztof Borowski

2.Faculty: Revitalization Project Management

3.Subject: Spacial development

4.Number of hours according to the program: 8 hrs lectures, 8 hrs classes

5.Learning objectives:

L.p.	What knowledge should students acquire? ¹¹ They should:
1.	Basic knowledge about the rules and conditions of planning and spatial.

¹¹ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

2.	The principles of organization and functioning of the system of spatial planning in Poland.
3.	Ways to develop and issue planning documents drawn up in the scale: national, regional and local (with special attention to natural and cultural environment).

L.p.	What skills should students gain?¹² They should:
1.	Ability to manage the space according to the principles of sustainable development.
2.	Skills for the collection and use of starting materials for preparing planning documents at regional and local scale.
3.	Ability to recognize text and drawings of the planning documents produced at different scales.
4.	Ability to recognize the signs of cartographic and spatial planning arrangements at different scales.

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	Basic concepts (spatial planning, land use planning, land management, spatial policy). The main principles of planning and land use (spatial order, the protection of the public good, balanced, sustainable development).	2 h	Lecture
2.	Legal basis for land use.	2 h	Lecture
3.	Determinants of spatial (natural, cultural, social, economic).	2 h	Lecture
4.	System of spatial planning in Poland compared to the management system.	2 h	Lecture
5.	Spatial planning at the national level (tasks of the state, the National Spatial Concept).	2 h	Classes
6.	Spatial planning at regional level (regional government tasks, spatial development plan the province)	2 h	Classes
7.	Planning Development and Planning at the local level (the development of a strategic, operational and regulatory) principles of strategic planning.	2 h	Classes

¹² Ability to define specific concepts and their classification and understanding (explanation), use (prediction), analysis, synthesis (discussion) and evaluation (expressing an opinion) delivered at the lecture.

8.	The development strategy of the municipality.	1 h	Classes
9.	Study of conditions and directions of spatial management. Local zoning plan.	1 h	Classes

7. Bibliography:

- E. Borsa i inni: Ustawa o planowaniu i zagospodarowaniu przestrzennym. Przepisy - omówienia - komentarze. Urbanista, Warszawa 2003
- T. Kachniarz, M. Nowakowski: Gospodarka przestrzenna. Praktyka gospodarowania przestrzenią. Wyższa Szkoła Humanistyczna w Pułtusk, Warszawa - Pułtusk 2000
- Praca zbiorowa pod kierunkiem G. Tomlinsona i Z. Ziobrowskiego: Gospodarka przestrzenna gmin. IPIK - Oddział w Krakowie i Llewelyn-Davies, London. Fundusz Współpracy i Brytyjski Fundusz Know-How, Kraków 1998
- E. Wysocka: Plany zagospodarowania przestrzennego województw. Poradnik metodyczny. IGPiM, Warszawa 2000

Brownfields revitalization processes

The University of Economy in Bydgoszcz Postgraduate studies „Revitalization Project Management” 2010/2011

1. Postgraduate studies: Revitalization project management

2. Lecturers:

Lectures/projects: mgr Dominika Muszyńska – Jeleszyńska

Revitalization Project Laboratory

Lectures/projects: mgr Magdalena Jasińska

Revitalization Project Laboratory

3. The number of hours according to the program - 30 h, including:

- lectures: **24**
- projects: **12**

4. The form of studies: postgraduate

5. Teaching objectives:

L.p.	What knowledge should a student acquire? ¹³
1.	Knowledge of modern development processes of degraded areas
2.	The theoretical bases of revitalization of degraded areas
3.	Knowledge of degradation processes of degraded areas

¹³ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

4.	Knowledge of different aspects (dimensions) of the process of revitalization
5.	Knowledge of the basics of planning and implementation process of revitalization of degraded areas

L.p.	What skills should a student gain?
1.	Evaluation of degradation of spatial structures
2.	Determination of the directions and areas for action in the process of revitalization (identifying areas of planned activities.)
3.	Determination of ways regeneration of degraded areas
4.	The ability of classification factors characterizing the areas which need regeneration
5.	Ability to use theoretical knowledge in practice

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	<p>Modern development processes of European cities</p> <ul style="list-style-type: none"> • Urban development in transition and globalization • Modern concepts of urban development • Urban development in EU policy 	4	Lecture
2.	<p>Theoretical approach to the revitalization</p> <ul style="list-style-type: none"> • Definitions and basic concepts • Idea, objectives, concepts • Revitalization in EU policy 	4	
3.	<p>The process of revitalization and its dimensions</p> <ul style="list-style-type: none"> • The processes of degradation of urban areas • Social, economic, spatial and environmental aspects of regeneration of degraded areas 	4	
4.	Regeneration of degraded areas	6	Lecture

	<ul style="list-style-type: none"> • Inner city areas as a matter of regeneration activities • Former industrial areas as a matter of regeneration activities • Former railway areas as the subject of revitalization activities • Waterfronts as the subject of revitalization activities • Residential areas as a matter of regeneration activities • Landscape as a subject of revitalization activities 		
5.	<p>Selected aspects of the planning and implementation process of revitalizing</p> <ul style="list-style-type: none"> • Regional and local policy for the revitalization • Identifying trends and areas for action in the revitalization process (identification of areas of planned activities) • Tools and methods of brownfields revitalization • Sources of financing of the revitalization process 	6	Lecture
6.	<p>Revitalization Project Management</p> <ul style="list-style-type: none"> • brownfields redevelopment value management • Organisation of revitalization project management • Market mechanisms in revitalization projects • Some aspects of the revitalization project management • instruments of revitalization project management • Staged, implementation and coordination of the project of revitalization 	4	e-learning

	<ul style="list-style-type: none"> contracting procedures for the implementation of regeneration projects 		
7.	<p>Promotion and marketing process of revitalization</p> <ul style="list-style-type: none"> Marketing and its importance to the revitalization The importance of promoting the revitalization process Creating a positive image of the city through the brownfields revitalization 	2	e-learning

7. Content of the projects: The contents of the individual exercises are not only in accordance with the content of the lectures, but they are also their complement and expand. Exercises are aimed at carrying out the tasks and conceptual analysis of regeneration.

L.p.	Detailed project content	Number of hours (hrs)	Teaching methods ¹⁴
1.	Analysis of the documents defining the policy of development and regeneration of degraded areas	2	projects
2.	Methods of testing and analysis of areas of crisis	2	projects
3.	Directions of revitalization activities and areas covered by them (downtown, brownfields, railways, housing, ports, manorial property, Polish farms)	2	projects
4.	Revitalization programs and projects in Europe	2	projects
5.	Local regeneration program as a tool of revitalization	2	projects
6.	Examples of revitalization in Central Europe - the database for brownfields redevelopment in Central	2	projects

¹⁴ Lecture, classes, laboratory, seminar, project, on-line lecture, consultation / online discussion, on-line project, etc.

	Europe		
7.	Studio teaching		Field Activities

8. Assessment form: credit

9. Assessment conditions: 80% attendance

10. Bibliography:

Basic bibliography:

- *Handbook of revitalization. Policies, procedures and working methods of contemporary processes of regeneration*, Deutsche Gesellschaft fur Technische Zusammenarbeit GmbH, Office of Housing and Urban Development, Mevisto Editions, Warszawa 2003.
- Ziobrowski Z., Ptaszycka-Jackowska D., Rębowska A., Geissler A. (red.), *Redevelopment, rehabilitation, restructuring. Urban renewal*, IGPIK, Kraków 2000.
- Ziobrowski Z., Matuszko A., *Urban renewal: the experience of British and French*, IGPIK, Kraków 2000.
- Targowska F. (red.), *Revitalization projects and programs in 2000-2006. Case Studies*, Stowarzyszenie Forum Rewitalizacji, Kraków 2006.
- Przewoźniak M., *Regeneration of degraded ecological problems of settlement structures of Trojmiasto*, [w:] *Regeneration of degraded settlement structures in terms of sustainable development*, A. Baranowski red., Gdańsk 2000.
- Kaczmarek S., *Brownfield redevelopment. A new dimension in urban development*, Wydawnictwo Uniwersytetu Łódzkiego, Łódź 2001.

Further reading:

- Heller Carl A., *Redevelopment of urban areas. A Practical Guide: How to develop a local development plan*, www.erdf.edu.pl.
- Billert A. (ed.), *Modern management of urban development*, Słubice, Collegium Polonicum 2001. Domański R. (red.): *New problems of urban and regional development*, Biuletyn KPZK PAN 2000, z.192.
- Kochanowski M. (ed.), *New conditions for the development and shaping of Polish cities*, Newsletter KPZK PAN 1996, z.176.

European programs and projects for the revitalization of degraded areas

**The University of Economy in Bydgoszcz
Postgraduate studies
„Revitalization Project Management”
2010/2011**

I. Description of the subject

1. Subject: European programs and projects for the revitalization of degraded areas

2. The nature and occurrence of the subject in the syllabuses:

Level of education: Further studies

Postgraduate Studies

Year: 2010/2011

3. Name of person elaborating teaching program and the name of the person consulting the subject. *Persons to develop the program: Dominika Muszyńska – Jeleszyńska i Magdalena Jasińska*

4. The names of persons authorized to conduct classes in the division on forms / methods: mgr Dominika Muszyńska - Jeleszyńska – Revitalization Project Laboratory

mgr Magdalena Jasińska – Revitalization Project Laboratory

5. Developed teaching materials including e-learning materials:

Multimedia presentations, designs of exercises' cards

II. Detailed course content:

1. Number of hours of classes broken down into teaching methods:

- lecture:
- project:

2. Introductory Courses

- urban revitalization
- Spatial Planning
- Introduction to spatial economy,

3. Prerequisites:

- No prerequisites

4. Teaching objectives:

L.p.	What knowledge should a student acquire?
1.	Knowledge of principles and methods of preparing programs and projects for the revitalization of degraded areas
2.	Basic knowledge of project management
3.	Knowledge of EU programs and projects relating to the regeneration of degraded areas in Europe
4.	Knowledge of the basic principles of integrated management plans revitalization activities
5.	Knowledge of the preparation of projects under the Regional Operational Programs

L.p.	What skills should a student gain?
1.	Ability to use the terminology and „language” of the project
2.	Ability to apply principles and methods of preparation of programs and revitalization projects
3.	Ability to prepare a revitalization project (project fiche). Constructing a European Union project and writing an application, as well as ideas for projects to be adapted to the specifics of the application

Environmental protection of degraded areas

The University of Economy in Bydgoszcz Postgraduate Studies „Revitalization Project management” 2010/2011

- 1. Lecture:** ad. dr inż. Cezary Kościelak
- 2. Faculty:** Revitalization Project Management
- 3. Subject:** Environmental protection of degraded areas
- 4. The number of hours according to the program:** Lecture/classes: 10/6
- 5. Teaching objectives:**

L.p.	What knowledge should a student acquire? ¹⁵
1.	Environmental policy in the field of environmental protection of degraded areas
2.	Reclamation of polluted areas
3.	Evaluation of environmental aspect

L.p.	What skills should a student gain?
1.	The ability of the landscape characteristics
2.	Ability to assess degradative phenomena in nature
3.	Ability to assess environmental pollution and environmental degradation of their impact
4.	Ability of the characteristics of degraded areas through separate branches of industry
5.	Ability to plan rehabilitation work on degraded industrial areas

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	Subject: Landscape. Landscape characteristics <ul style="list-style-type: none">Types of landscapeLandscape ProtectionLandscaping	1	L
2.	Subject: Nature conservation. Degradation phenomena in nature <ul style="list-style-type: none">Protection of vegetation.Degradation phenomena on a global scaleClassification of pollution degrading the environment	1	L

¹⁵ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

3.	<p>Topic: Air pollution</p> <ul style="list-style-type: none"> ▪ Types and sources of air pollution ▪ Natural and artificial sources of air pollution ▪ Harmful effects of air pollution ▪ Factors limiting air pollution 	1 1	L
4.	<p>Topic: Water pollution. Soil degradation Surface water purity class Pollution Prevention Methods The concept of degradation, soil conservation and reclamation Soil degradation caused by chemicals and other toxic substances</p>	1	L
5.	<p>Subject: Rehabilitation of degraded areas by underground mining</p> <ul style="list-style-type: none"> ▪ Areas degraded by coal mining ▪ The area degraded by mining iron ore ▪ The area degraded by mining zinc-lead ore ▪ The area degraded by mining copper ore 	1 1	Lecture classes
6.	<p>Topic: The restoration of land degraded by opencast mining</p> <ul style="list-style-type: none"> ▪ Areas degraded by coal mining ▪ Areas degraded by peat mining ▪ Areas degraded by sulfur mining 	1 1	Lecture classes
7.	<p>Subject: Rehabilitation of degraded areas by exploitation of rock materials</p> <ul style="list-style-type: none"> ▪ Excavations of sand mining ▪ Excavations of natural aggregate mining ▪ Excavations of plastic raw materials mining ▪ Excavations of rocks mining (quarries) 	1 1	Lecture classes
8.	<ul style="list-style-type: none"> ▪ Subject: Reclamation of lands degraded by energy companies ▪ The occurrence of combustion waste landfills ▪ Reclamation of combustion waste landfills ▪ Reclamation of lands degraded by chemical pollution 	1 1	Lecture classes
9.	<p>Topic: The restoration of land degraded by chemical pollution</p> <ul style="list-style-type: none"> ▪ Toxic effects of chemical pollution ▪ Soil acidification. Alkalinization of soils. Salinity of soils ▪ Soils contaminated with heavy metals 	1 1	Lecture classes
10.	<p>Topic: Municipal waste management</p> <ul style="list-style-type: none"> ▪ Solid waste (communal living) ▪ Liquid waste ▪ Municipal landfill ▪ Municipal liquid waste 	1 1	Lecture classes

7. Bibliography:

- Central Statistical Office. *Protection of the Environment*, ed. Information and Statistical Papers, Warsaw 2008.
- Karczewska A., *Soil protection and restoration of degraded land*, Ed. Wrocław University of Environmental, Wrocław 2008
- Kowalik P. *Protection of soil environment*, wyd. PWN, Warszawa 2001.

- Zarzycki R., Imberowicz M., Stelmachowski M., *Introduction to engineering and environmental*. WNT, Warszawa 2008.
- Siuta J., *Protection and restoration of the environment. Guide*, Warszawa 1995.
- Zadroga B., Oleńczuk-Neyman K., *Protection and restoration of ground*, ed. Technical University of Gdansk, Gdansk, 2001.

Legal aspects of the revitalization process

The University of Economy in Bydgoszcz Postgraduate studies „Revitalization Project Management” 2010/2011

- 1. Lecturer:** Krzysztof Sidorkiewicz
- 2. Faculty:** Revitalization Project Management
- 3. Subject:** Legal aspects of the revitalization process
- 4. The number of hours according to the program: 8 hrs**
- 5. Teaching objectives:**

L.p.	What knowledge should a student acquire? ¹⁶
1.	Knowledge of major issues of substantive law
2.	Knowledge of key legislation regulating the management of regeneration

L.p.	What skills should a student gain? ¹⁷
1.	The proper handling of basic legal concepts of property rights and governance revitalization
2.	General knowledge of major legal institutions of property rights and the management of regeneration

6. Course content:

L.p.	Detailed course content	Number of hours (hrs)	Basic forms of activity (lecture, workshop, exercise, case study, etc.)
1.	• Ownership, co-ownership, types of ownership, ownership management	2	Lecture
	• Perpetual usufruct, limited rights in rem in immovable property	1	Lecture
	• Entities participating in property management	1	Lecture
	• Legal aspects of the planning of regeneration	2	Lecture
	• Legal aspects related to the implementation of regeneration		

¹⁶ Consistent with the content of programming concepts, definitions, rules, laws, concepts, theories, characteristics of the subject of the lecture, etc., etc.

¹⁷ Ability to define specific concepts and their classification and understanding (explanation), use (prediction), analysis, synthesis (discussion) and evaluation (expressing an opinion) delivered at the lecture.

		2	Lecture
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7. Bibliography:

- 1) *Legal aspects of management and organizational revitalization*, ed. Wladyslaw Rydzik, Urban Development Institute, Cracow, 2009
- 2) Edward Gniewek, *Property law*, 7th Edition, CH Beck. Warsaw, 2008
- 3) Gerard Bieniek, Stanisław Rudnicki *Real Estate. Legal issues*. 3rd Edition Publisher of LexisNexis, Warsaw, 2006

European School for Brownfield Redevelopment

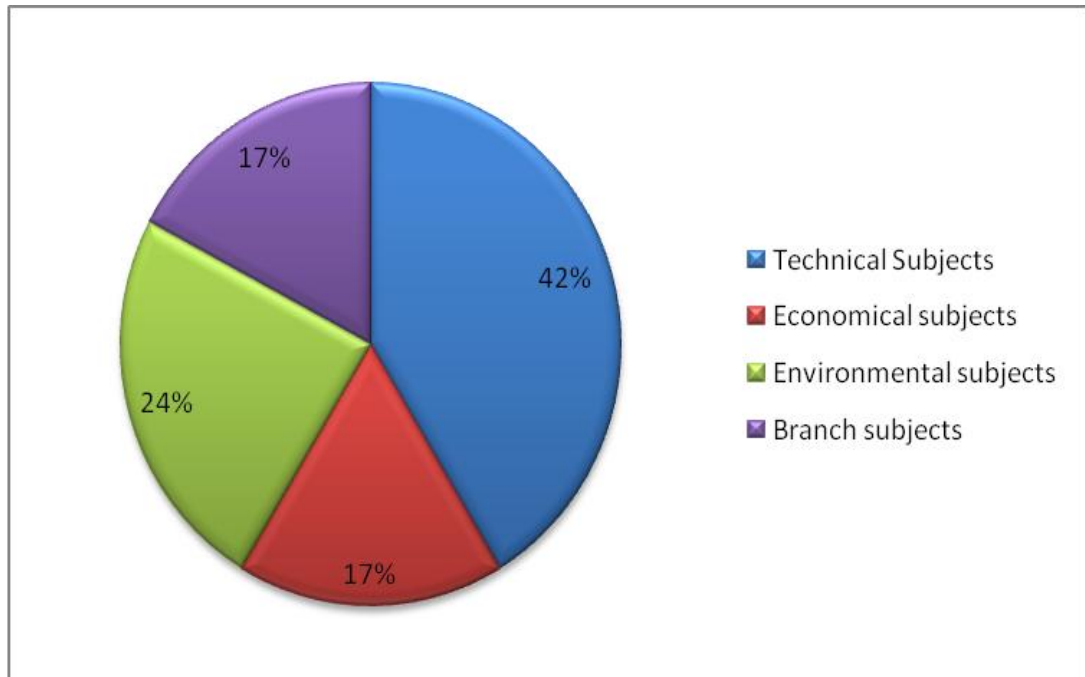
The Master study within study branch “European School of Brownfield Redevelopment” will be accredited by Ministry of Education, Youth and Sports of CR (in English and Czech within Master’s study program: Mineral Raw Materials at Faculty of Mining and Geology, VSB – Technical University of Ostrava (2011).

The Study plan and Education is prepared in English and Czech language for full-time and in future for combined Master study program (2 y.), 120 ECTS credits, e.g. 30 credits per semester.

The study branch is based on combination of natural, environmental, technical, economical and civil engineering knowledge (see Pic. 1) , which predisposes the graduates for the work in brownfield management, brownfield design, restoration and regeneration of all types of brownfields. They will gain ability to highly professional activities like as:

- Environmental assessment of brownfields
- Civil engineering and technical assessment
- Economical and socio-economical assessment
- Remediation and regeneration of areas
- Consultancy and Expert activities
- Environmental protection and design

Pic. 1 – Percentage of particular specialized courses



Graduates have the right to use the title Engineer (Ing., Dipl. Ing.) and are fully eligible for PhD. studies.

As a prerequisite for these studies is Bc. education (technical, economical, environmental), which includes basic knowledge of mathematics, physics, chemistry and ecology.

Study plan

(corrected version for April meeting of Accreditation Committee)

Rules for creating study plans						
714-0513/01 Mathematics (credits:5)	L2+P2	exam	C	doc. RNDr. Kučera, Ph.D., doc. RNDr. Havelk, Ph.D.	I.1	
Environmental geochemistry (5)	L3+P2	exam	C	Prof. Ing. Raclavská, CSc.	I.1	
Applied Ecology (5)	L3+P2	exam	C	doc.Ing. Stalmachová, CSc.	I.1	
Industrial architecture (4)	L2+P2	exam	C	Doc. Ing. Peřínková,PhD.	I.1	
Geology (5)	L3+P2	exam	C	doc.Ing.Marschalko,PhD.	I.1	
Computer practice (3)	L0+P3	credit	C	Ing. Roman Danel, PhD.	I.1	
Colloquium I. (3)	L0+S3	credit	C		I.1	
Physics (4)	L2+P2	exam	C	doc. RNDr. Alois Fojtek, CSc.	I.2	
Contaminating Hydrogeology (4)	L2+P2	exam	C	Doc. Ing. Rapantová, CSc.	I.2	
Greenery Establishment and Maintenance (5)	L3+P2	exam	C	Doc.ing.Stalmachová, CSc.	I.2	
Social and Economic tools for Brownfield Redevelopment (4)	L2+P2	exam	C	Prof.Ing. Dvořáček, CSc., Ing. Rolčíková, PhD., Ing. Krčmarská, Ph.D.	I.2	
Municipal development (4)	L2+P2	exam	C	doc. Ing. Kuda/ Ing. Česelský, PhD.	I.2	
Statistic in environment (4)	L1+P3	Classif ied credit	C	Doc.Dr.Ing. Neustupa, Ing. Danel, PhD.	I.2	
Field works, excursion (5)	1w	credit	C	RNDr. Labodová,PhD.	I.2	
Urban planning (5)	L3+P2	exam	C	doc.Ing. Kuda, CSc.	II.3	
Remediation and Risk for Brownfield Redevelopment (5)	L3+P2	exam	C	Prof. Ing. Raclavská, CSc./RNDr. Labodová, PhD.	II.3	
Investment processes for Brownfields remediation (4)	L2+P2	exam	C	doc.Ing. Kuda/ Ing. Česelský, PhD.	II.3	
Information systems in Landscape Management (4)	L2+P2	exam	C	Doc.Dr. Ing. Neustupa/ doc.Dr. Ing. Horák	II.3	
Waste Management (4)	2+2	exam	C	prof.Ing. Fečko, CSc.	II.3	
Environmental Legislation (3)	L1+S2	Classif ied credit	C	RNDr. Labodová,PhD.	II.3	
Colloquium II. (2)	L0+S2	credit	C		II.3	
Biotechnology (3)	L2+P1	Classif ied credit	O	Prof.Ing.Fečko, CSc.	II.3	
Techniques history and conservation of industrial Heritage (3)	L2+P1	Classif ied credit	O	Doc. Ing. Peřínková	II.3	

Modelling for Landscape Management (6)	L3+P3	exam	C	Doc.Dr.Ing. Neustupa, doc.Ing. Rapant, CSc.	II.4
Brownfield Management (6)	L3+P3	exam	C	Doc.Ing.Vojvodíková, PhD.	II.4
Reclamation and Brownfield Regeneration (6)	L3+P3	exam	C	doc.In.g Stalmachová, Csc.	II.4
Quality Management in Civil Engineering (3)	L1+P2	Classified credit	C	doc.Ing. Vojvodíková PhD./ Ing. Franková	II.4
Seminar (3)	0+S3	credit	C		II.4
Master's thesis (6)		credit	C		II.4

Full study credits: 120 (ECTS)

As an important part of study besides Case studies (solved in close cooperation with Pilot projects of COBRAMAN) is a work on Diploma thesis dealing with existing particular problem (list of proper topics will be published on www study branch pages). The study is finished by Commission State Exam.

Commissional State Exam

The Commission is appointed by the Dean of Faculty and approved by Scientific Board.

The State Examination consists of:

- 1.Thesis defence
- 2.Oral examination of 3 subjects.

The applicant has opportunity to direct professional and specialize in subjects:

a.Compulsory subject: **Reclamation and Brownfield Regeneration**

b.Optional subjects: Students choose other **two subjects** from the offer:

- Remediation and Risks for Brownfield Redevelopment
- Greenery establishment and Maintenance
- Modeling in Landscape Management
- Brownfield Management
- Urban Planning

COBRAMAN



Manager Coordinating Brownfield
Redevelopment Activities

CENTRAL EUROPE Project 1CE014P4 COBRAMAN

www.cobraman-ce.eu



Basic subjects for Master Study:

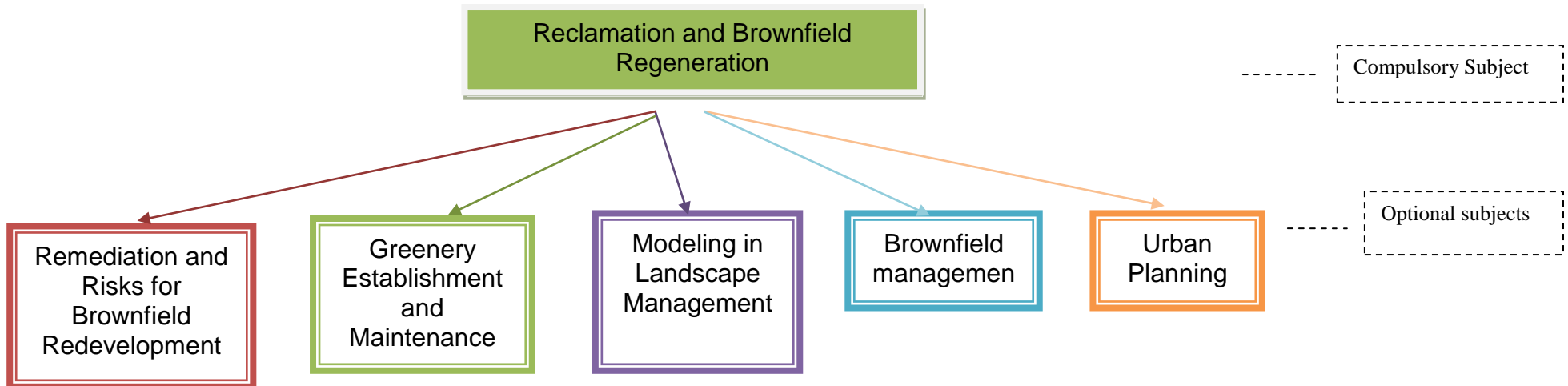
- Mathematics
- Physics
- Statistic in environment

Developing Subjects:

- Computer Practice
- Coloquium I
- Field works
- Coloquium II
- Seminar

Technical subjects – see next scheme

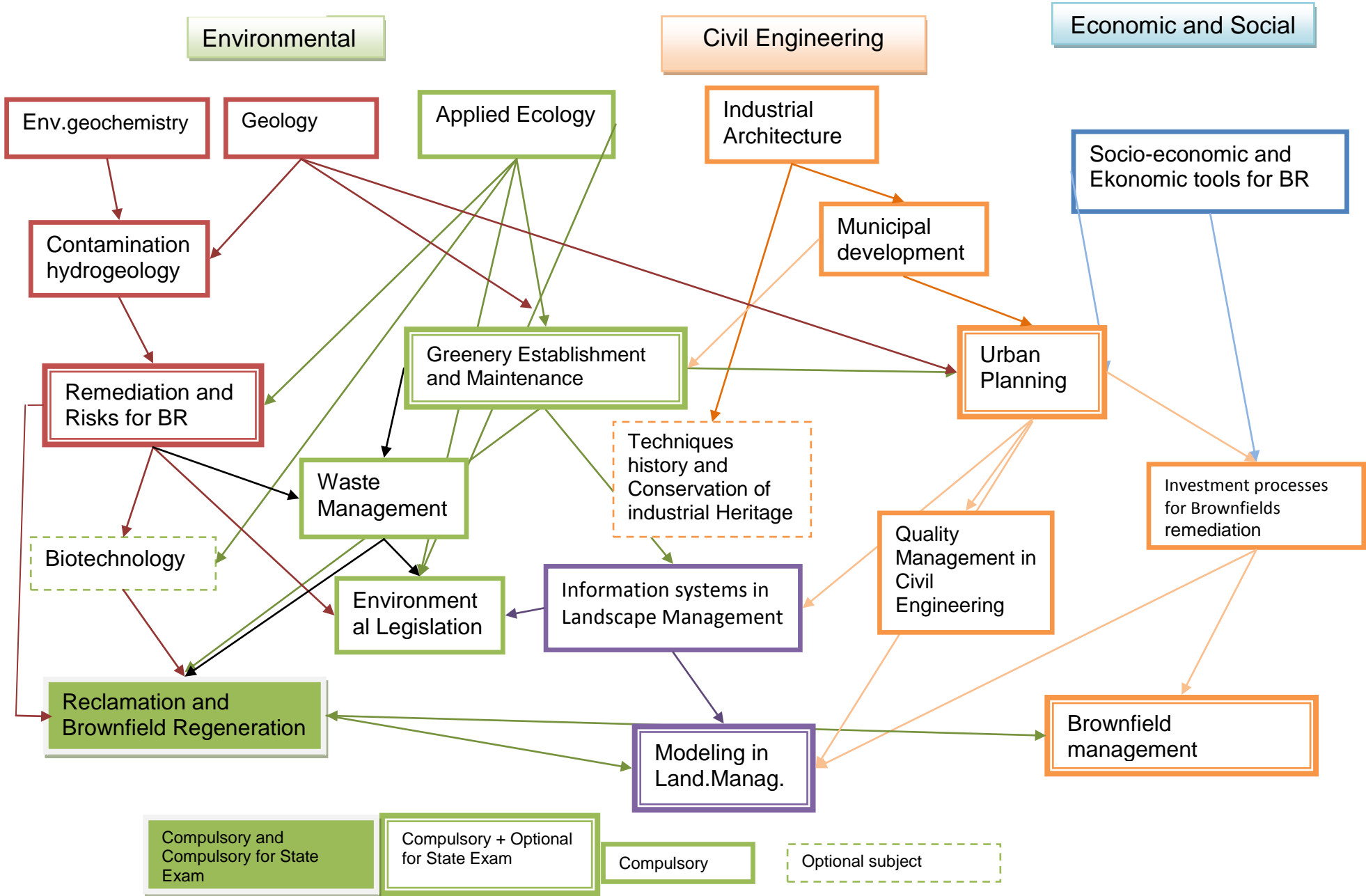
Final State Exam subjects:



Students choose two subjects from the offer.

Brownfield Redevelopment = Restoration of Landscape Functions

Technical Subjects



COBRAMAN



Manager Coordinating Brownfield Redevelopment Activities

CENTRAL EUROPE Project 1CE014P4 COBRAMAN

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Conclusion

1. 6.2.1 Accreditation of Master study – European School for brownfield Redevelopment by Accreditation committee of Ministry of Education, Youth and Sports of CR is in progress:
 - a. Document preparation (see annex 1 – Short version in English, full text is in Czech language – 80 pp.)
 - b. Approval Procedure:
 - i. Scientific council of the Faculty of Mining and Geology, VSB–Technical University of Ostrava – 23.9.2010
 - ii. Accreditation Committee of M.: send 30.9.2010, (see annex 2)
 - c. Comment procedure – 12/2010 to 3/2011 – correction of study plan – committee recommended to insert geological and environmental subjects (Contamination Hydrogeology, Geology, Waste Management and Applied Ecology) -
 - d. Next meeting of the Accreditation committee: 4/2011
 - e. Student admission – after accreditation.



2. 6.2.1 Brownfield Redevelopment Seminars:

a. Testing of Master Study Programme functionality for students of Environmental Engineering

- i. When: summer semester 2010-2011 (February to April 2011)
- ii. Where: D108 – COBRAMAN Centre for Contact Education
- iii. What: 7 lectures (1 lecture/1 day/8 hours):

When:	What:	Who:	students
18.2.2011	Brownfield Management	doc. Vojvodíková	13
25.2.2011	Regeneration, Reclamation and Greenery Maintenance I.	doc. Stalmachová	24
4.3.2011	Information Systems and Landscape modelling	doc. Neustupa	11
11.3.2011	Remediation and Risk Assessment	prof. Raclavská	20
18.3.2011	Industrial Architecture	doc. Peřínková	10
25.3.2011	Regeneration, Reclamation and Greenery Management II.	doc. Stalmachová	20
8.4.2011	Socio-economic Brownfield Assessment and Economic Tools for Brownfield Redevelopment	Dr. Krčmarská, Dr. Rolčíková	11

- Teachers: University Staff
- Students: VSB – Technical University of Ostrava and Silesian University Katowice (Poland)
- Language: Czech/Polish
- Absolutorium: **Certificate** signed by rector, faculty person and project manager.
- Seminars are prepared as life-long learning – that means – absolvents can involve them in their CVs.

