



**FACULTY OF APPLIED SCIENCES
RESEARCH SELF-EVALUATION REPORT**

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A. MISSION – VISION – BASIS STRATEGIES

A.1 Mission, Vision

Misyon

The mission is protecting the traditional scientific values and reflexes, complying with the rapidly changing circumstances of the academic world and competitive academic environment, making the academic world and competitive academic environment, making academic reforms rationally as well as to be a pioneer on international level and transforming both its region and the world.

Vizyon

The Faculty of Applied Sciences aims to educate qualified labor force endowed with modern knowledge considering the economic progress in Turkey and the world. Our students are supposed to graduate as inquisitive and questioner, competitive individuals as well as endowed with team spirit; who have qualifications like vision and sense of social responsibility, comprehending progress in our country as well as in the world, implementing scientific innovation, respecting human rights, forming strong connections, adopting ethical value; under favour of theoretical / applied education, compulsory summer training and other scientific, social, cultural and sportive activities. In accordance with the vision of the University including the aim of being an international reference point providing emergence and transmission of specific knowledge, being a pioneer as an innovator and advisor on research and education with respect to the principle of being sensitive for requirements of all stakeholders within participating and liberal organisational culture respecting for diversity.



A. MISSION – VISION – BASIS STRATEGIES

A.2 “Basis Research Strategies” specified at academic unit? Completed studies in this regard?

Specialising in graduate works:

- Within the scope of Real Estate Development and Management Department Graduate Education; Land Management and Policy Graduate Program with and without thesis established in English and Turkish. It is planned to admit students for program in February 2018 period. Thus it is aimed to increase the number of foreign students.

Collaborating with national institutions and organizations:

- Within the scope of Real Estate Development and Management Department Graduate Education, Protocols regarding education, consultancy, expropriation and research are made between Ankara University Rectorate and following institutions and organizations; Presidency of Union of Municipalities of Turkey, General Directorate of Land Registry and Cadastre, Directorate General of Electricity Generation Corporation, Natural Disaster Insurance Authority, Counseling and Supervision Directorate of Ministry of Industry and Technology, Ministry of Environment and Urbanisation Directorate General of National Property, Directorate of OSTİM Organized Industrial Site, The Association of Real Estate and Real Estate Investment Companies, Ministry of Environment and Urbanisation, İller Bank, Directorate of Privatization Administration, Başkent Electricity Distribution Corporation, Toroslar Electricity Distribution Corporation, Anadolu Yakası Electricity Distribution Corporation.

To Carry Out International Research Cooperations and Projects

- A Project in field of Erasmus+ Program Strategic Partnerships for Youth prepared in cooperation with Gazi University, Ciape - Centro Italiano Per L'apprendimento Permanente, Erbil Project Consulting Engineering Co.Inc., Asociacion Amigos De Europa Leonardo Da Vinci, Turkish Society of HVAC and Sanitary Engineers, Van Der Meer & Van Tilburg West Bv ve İzocam Corporation and made application.
- As a part of Scientific and Technological Research Council of Turkey (TÜBİTAK) Primary Subjects R&D Funding Program "1003-SBBKENT- 2017-1 – Habitation System Transformation in Turkey Call.

To Carry Out National Research Cooperations and Projects

- With the cooperation of Sincan Municipality in the field of “Sincan District Saraycık Neighborhood UrbanRegeneration/Transformation Project, Analysis of Current Situation, Determination of Real Estate-Ownership Right, Real Estate Valuation, Management and Preparation Process Of Expropriation, Impact Assesment and Monitoring and Evaluating Project Application Processes carried out and conducted.

B.1 Strong Fields

- 1.1 Does unit have defined strong and Priority fields? How they defined?
- 1.2 Are there any multidisciplinary subjects? What topics are there? External projects and high impact factor journal publishings?
- 1.3 Sketch out academic and basis sufficiencies of strong, Priority and multidisciplinary fields as part of section/department ?
- 1.4 Are there any Project preprations and/or application plans for (TÜBİTAK) Primary Subjects R&D Funding Program Calls (1003,1007 etc)?
- 1.5 Contribution of research to society, region, country and international scientific community?



1.1. Priority fields to research and work in our department are defined as Environment Technologies, Energy Technologies and Material Technologies by regarding TÜBİTAK 2023 and The Supreme Council for Science and Technology Decisions.

1.2 Educational and research activities in our department are being carried out by students who are graduated from 16 different disciplines. As a consequence of that multidisciplinary research subjects aligned below comes to existence.

- Real Estate Valuation (appraisal) techniques and applications,
- Business And Asset Valuation, Historical And Cultural Asset Valuation,
- Real Estate Project Development And Project Valuation,
- Real Estate Project Management and Auditing,
- Real Estate Principles and Investment Analysis,
- Real Estate Investments and Financing,
- Housing Finance and Securitisation,
- Real Estate Marketing, Marketing Management, Investment and Sales Consultancy
- Real Estate Information Systems ve Value Mapping,
- Zoning Applications (Value Based Land Arrangement), Land and Housing Policies,
- Real Estate, Zoning, Construction and Contract Law and Applications,
- Land Economics, Management and Policies,
- Land Ownership, Alteration and Consolidation Applications, Land Use Planning
- Regional Development, Basin System Design and Management,
- Management of Protected Areas and Protection Policies,
- Privatisation of Public Enterprises and Public Property Management,
- Land Acquisition for Investment Projects, Expropriation and Repopulation Policies and Applications,
- Real Estate Management and Professional Management for Real Estate Markets,
- Credit Rating Works,
- Taxation of Real Estate and Research of Economic and Fiscal Crimes,
- Risk yönetimi ve taşınmaz ve inşaat sigortaları çalışmaları.

1.3 There are 5 academic members studying on defined Priority fields. It's planned to employ 1 external academic member who has a phd degree from foreign university for aimed national and international studies. Several simulation softwares and devices needed within the scope of these Priority fields.

1.4 One Project preparatory work is in progress on energy field which is inclusive of TÜBİTAK's concerned Priority fields. Besides another Project is in progress within the scope of TÜBİTAK 1001 Scientific and Technologic Research Projects Funding.

1.5. It's planned to contribute society and the future of country by aimed scientific research and application activities and cooperations public and private organisations, implementation of international standards in the field of real estate sciences and holding activities like conference, seminar, workshop and so on.

B. RESEARCH STRATEGIES

B.2 Graduate Education Strategies (Up to 5 Strategies)

- 1- Within the scope of Real Estate Development and Management Department Graduate Education; integrated Phd Program, Phd Program, Master Programs with and without Thesis have established. Also It's planned to provide an opportunity to native and foreign students to postdoctoral studies.
- 2- Within the scope of Real Estate Development and Management Department Graduate Education; Within the scope of Real Estate Development and Management Department Graduate Education; Land Management and Policy Master Program with and without thesis established in English and Turkish. It is planned to admit students for program in September-October 2018 period.
- 3- Real Estate Development and Management Department Master Programs with and without thesis are both accredited at international level by Royal Institution of Chartered Surveyors – (RICS) which is London based World's top vocational, educational, accrediting institution in the field of real estate and construction fields. In the period of April 2018 re-accreditation of graduate program and accreditation of undergraduate program will be carried out.
- 4- Department of Real Estate Development and Management is a member of International Valuation Standards Council (IVSC) and The European Group of Valuers' Associations (TEGOVA) which are two of World's top institutions in the fields of real estate and construction.
- 5- Protocol signed with Royal Agricultural University for International Student Thesis and Non-Thesis Master Program. Within the scope of this protocol, it is planned to increase the number of foreign students by 40% by creating double degree programs..
- 6- It is planned to open a graduate program in the Department of Actuarial Sciences.

B. RESEARCH STRATEGIES

B.3 100/2000 Council of Higher Education Ph.D. Scholarship Program for Priority Study Fields

3.1 Current 100/2000 Council of Higher Education Ph.D. Scholarship Program Priority Study Fields Programs?

3.2 Programs planned to establish? Academic and basis sufficiency?

3.1 Currently There isn't any Priority Study Field provided by our department regarding 100/2000 Council of Higher Education Ph.D. Scholarship Program.

Within the study field of our department; in contrast to 100/2000 Phd Scholarship opportunity for the field of Urban Transformation Studies is available since 2018, for some study fields of our department which are vitally important there's no Phd scholarship opportunity.

3.2 It's planned to establish 2 priority field program under the umbrella of our department:

- Real Estate Investments and Finance (5 academic member, 2 Phd student, publish and projects of academic staff regarding the subject)



- Facility and Resource Management (5 academic member, 2 Phd student, publish and projects of academic staff regarding the subject)
- Land Management and Policy (5 academic member, 2 Phd student, publish and projects of academic staff regarding the subject)
- Real Estate Project Development ve Project Management (5 academic member, 2 Phd student, publish and projects of academic staff regarding the subject)
- Sustainable Environment Management Technologies, Ecosystems and Sustainable Built Environment(Area) (5 academic member, 2 Phd student, publish and projects of academic staff regarding the subject)

There are 5 faculty members and 5 doctoral students in order to conduct research in the planned programs. Areas of expertise; Faculty of Architecture, City and Regional Planning, Civil Engineering, Business Administration, Agricultural Economics and Real Estate and Asset Valuation have many publications and projects on the subject of these programs.

B. RESEARCH STRATEGIES

B.4 Academic Staff Strategies

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| 4.1 | The qualification of academic staff? Number of external Phd staff become a member over the 5 years? International Corporations? Long Term(over 3 months) international academic staff appointments? |
| 4.2 | Academic staff employment strategies of department? Quality and internationalization strategies? |
| 4.3 | Strategies of department to monitor academic performance? |

- In our department the number of publications per person is 0,75. Number of publications in last year is 29.
The number of projects carried out in the last year is 16. Currently 4 projects are in progress.
- In the last 5 years, 5 external Phd graduates and 1 internal Phd graduate with outstanding quality studies are employed.
- We have cooperation with Royal Agricultural University abroad. In this context, a faculty member from this university participates in the existing courses as an instructor.

4.2

- One of the main objectives of our department is to increase scientific qualifications continuously. Therefore, the main strategy in the employment of academic staff is to contribute to our priority and strong research areas. It is planned that the majority of the new cadres will be used for internationally and / or externally doctoral staff and academicians who have conducted post-doctoral research.

Our universities academic assignment criteria is determined as the minimum criteria for our department. These conditions are sought in the appointments of academic staff.

- In the last 5 years, 1 academician who was assigned to the staff achieved Phd degree from our institution, and 4 other academicians, achieved a Phd degree from outside the institution.
- It is planned to carry out projects with foreign universities through the funds covered by institutions such as TÜBİTAK and EU. Every year, 1 academician from our department is expected to conduct research and education at universities abroad with support from

TÜBİTAK and ERASMUS. In addition, we have studies on assigning foreign academicians in the areas we need.



Since the Department of Insurance and Actuarial Sciences is an interdisciplinary department, it requires faculty members with a PhD in mathematics, actuarial, statistics or economics. This is very important in order to increase the scientific productivity of the department and the faculty in the following periods.

4.3 Although no studies have been carried out in this area so far, an academic performance monitoring strategy is planned to be developed in the following years.

B. RESEARCH STRATEGIES

B.5 Research Infrastructure Strategies

5.1 The adequacy of the research infrastructure? The use of infrastructures in other units?

5.2 Strategies for developing and improving research infrastructure? The existence of the Faculty research infrastructure inventory (Web and SRP) and common use strategies?

5.1 The research infrastructure of our department is not sufficient for the identified priority areas. Simulation software or devices can be used by outsourcing if needed. It is planned that these software and devices will be supplied with TÜBİTAK 1003, TÜBİTAK 1001 or EU supported projects.

5.2

- Scientific Research Projects (SRP) are planned for the simulation programs needed in the infrastructure.
- SRP projects are planned for the simulation programs needed in the infrastructure. External projects are prioritized to improve infrastructure. In addition, cooperation with institutions and joint projects are being developed. In this context, TÜBİTAK and SRPs have been carried out in the last 5 years.

5.3 For the use of the devices by the academic unit and all university staff, a committee has been formed within the unit and principles have been set. They were shared with all researchers in the unit. Efforts have been made to put the devices into more central structures that can be used by everyone as much as possible.

The inventory of major and important devices in the research infrastructure is available on the unit's website. The principles of use are defined there.



C. PERFORMANCE EVALUATION

C.1. Common Success Criteria for the Faculty

The Unit is expected to set goals and arrange the performance indicators to be followed according to the table format below:

No.	Performance Indicator	Performance Criteria	Current Status	Goals for Year 2018	Goals for Year 2019	Goals for Year 2020	Goals for Year 2021	Goals for Year 2022
1	Average annual number of SCI, SSCI and A&HCI papers/review papers per professor	6	0,75	3,2	3,2	4,5	4,5	5
2	Average annual number of papers/review papers in SCI, SSCI and A&HCI indexed journals with international cooperation per professor	0	0	1	2	3	3,5	3,5
3	Scientific Paper Score	NUMBER	2,449	4	4	4,5	5	5,5
4	Citation Score	NUMBER		4,2	4,5	4,5	4,7	5
5	Average annual number of foreign funded projects completed per professor	NUMBER	14 PROJECTS	1	1	1	1	1,3
6	Average annual number of foreign funded projects ongoing per professor	NUMBER	2 PROJECTS	1	1	1	1	1,3
7	Average annual total budget of completed foreign funded projects per professor	NUMBER	1.370.050 TL	-	-	-	-	-
8	Average total budget of ongoing foreign funded projects per professor	NUMBER	110.000 TL	-	-	-	-	-
9	Ratio of total budget of ongoing foreign funded projects to number of ongoing foreign funded projects	NUMBER	110.000/2	-	-	-	-	-
10	Average annual number of contracted projects completed per professor	NUMBER	0	1	1	1	1	1



11	Number of ongoing contracted projects per professor	NUMBER	0	1	1	1	1	2
12	Annual total budget of completed contracted projects (given in indicator 10) per professor	NUMBER	-	-	-	-	-	70,000
13	Average annual number of completed internationally collaborative projects per professor	NUMBER	0	1	1	1	1	1,3
14	Number ongoing of internationally collaborative projects per professor	NUMBER	0	1	1	1	1	1
15	The total budget of the average annual internationally collaborative projects (given in indicator 13) per professor	NUMBER	-	-	-	-	-	30.000
16	Total budget of internationally collaborative projects (given in indicator 14) per professor	NUMBER	-	-	-	-	-	10.000
17	Number of thesis masters students per professor	NUMBER	14,25	10	10	10	10	10
18	Number of PhD students per professor	NUMBER	12,4	5	5	5	5	5
19	Average annual number of PhD graduates per professor	NUMBER	4	1	1	1	1	1
20	Average annual number of national patents per professor	NUMBER	0	0	0	0	0	0
21	Average annual number of international patents per professor	NUMBER	0	0	0	0	0	0
22	Average annual useful model and number of industrial designs per professor	NUMBER	0	0	0	0	1	1



23	Number of active instructor technology companies	NUMBER	0	0	0	0	1	2
24	TÜBA and TÜBİTAK award winners (excluding TÜBA translation award)	NUMBER	0	1	1	1	1	1
25	Number of YÖK 100/2000 PhD Scholarship Program Fields	NUMBER	1	1	2	3	4	5
26	Number of YÖK 100/2000 PhD Scholarship Program Students	NUMBER	0	1	2	3	4	5



Notes

- 1 – Additional research indicators may be applied if there are any.
- 2 – Recent data is going to be used as number of professors.
- 3 – **Scientific Paper Score:** States the ratio of total impact factor which is obtained by the sum of journal impact factors for each paper given in indicator no. 1 in the table to the total number of papers.
- 4 – **Citation Score:** States the average number of cites per year in journals in indexes defined in indicator no. 1 to papers addressed to university per professor.
- 5- "Performance Indicators" should be given per department besides the faculty.
- 6- The report is not going to exceed 10 pages except "Performance Indicators".