ITU - ISTANBUL TECHNICAL UNIVERSITY Istanbul – Turkey FACULTY OF ARCHITECTURE DEPARTMENT OF ARCHITECTURE

ANNUAL REPORT 2009-2010 for NAAB

Bachelor of Architecture (4 years) and Master of Architecture (2 years)

Table of Contents

- A. Program's response to each condition identified as not met in the VTR
- B. Program's response to each the causes of concern listed in the VTR.
- C. Brief summary of changes, that have been made or may be in the accredited program.
- D. Annual Report statistics.

ITU - ISTANBUL TECHNICAL UNIVERSITY – Istanbul Turkey FACULTY OF ARCHITECTURE DEPARTMENT OF ARCHITECTURE

Bachelor of Architecture (4 years) and Master of Architecture (2 years)

Program Head Prof. Gülen ÇAĞDAŞ, PhD

ANNUAL REPORT 2009-2010 for NAAB

Prepared by ITU Department of Architecture Accreditation Committee and ITU Department of Architecture NAAB Advisory Board

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Accreditation Team	Self Assessment Team
Prof. Orhan HACIHASANOĞLU Ph.D.	Assoc. Prof. Deniz MAZLUM Ph.D.
Assoc. Prof. Murat ÇIRACI Ph.D.	Assist. Prof. Göksenin İNALHAN Ph.D.

A. PROGRAM'S RESPONSE TO EACH CONDITION IDENTIFIED AS NOT MET IN THE VISITING TEAM REPORT

There was not any deficiency in the most recent Visiting Team Report written in 2007 for undergraduate 4 years architecture program and 2 years Master of Architecture Program.

B. PROGRAM'S RESPONSE TO EACH THE CAUSES OF CONCERN LISTED IN THE VISITING TEAM REPORT.

1. 8. Physical Resources

Its designation as a historic structure places limitations on adaptation of existing spaces for alternative use and its age and historic-structure designation<u>suggest to the team that</u> <u>modifications to make all spaces accessible to the physically disabled would be difficult</u> <u>and expensive.</u> (Most recent VTR)

There are some efforts to solve the accessibility problems in the building by using stairs lifts in the second floor. The Deanship of Faculty of Architecture found resource for five stair-lifts and two lifts (south-east corner lift and northwest corner lift) to solve the accessibility problems of first and second floors. New five stair – lifts are going to be in use and the renovation of 2 lifts will be finished in 2011.

C. BRIEF SUMMARY OF CHANGES, THAT HAVE BEEN MADE OR MAY BE IN THE ACCREDITED PROGRAM.

1.3 Architectural Education and Registration

A draft of "Law of Profession for Architects" designed and submitted to government representatives in 2007. The state clerks of Ministry of Work and Social Security now work on this draft. It is expected that till 2010 this law will be running in Turkey. The draft law covers the following registration requirements for architects.

- 1. Minimum 5 (there are; 5, 3+2, 4+2 years alternatives in debate) years full time architectural education. (It is 4 years now in Turkey),
- 2. 52 weeks professional internship in offices and construction sites,
- 3. Acceptance for registration by Registration Board (will be organized by Chamber of Architects, representatives of Ministries and universities).

Architecture (undergraduate and graduate) programs of ITU are ready for 4+2 years alternative. Also architecture program can easily adapt its existing curriculum to other alternatives.

1.4 Architectural Education and the Profession

There is not any change after most recent VTR

1.5 Architectural Education and Society

A new hundred percent English program of architecture was established in 2009-2010 academic year. This 100% English program gives a parallel similar education to freshmen. However the curriculum of undergraduate architecture program had been revised and proposed to the university senate. The whole quota for the undergraduate programs in 30% English and 100% English programs were decide as 100 and 40 students in 2009-2010 academic year. Therefore the total number of students in the undergraduate programs was not changed while a new program established. The main aim of

organizing new 100% English program is to give opportunity to teach more exchange students and also foreign students.

The Administration and Staff Dean Orhan HACIHASANOĞLU

The Dean is the chief executive officer and representative of the legal personality of the Faculty. The main responsibilities of the Dean are;

- To manage faculty board meetings and to control carrying out of faculty board's decisions,
- To manage inter-relation between faculty units,
- To control educational activities,
- To direct and coordinate financial activities,
- To control academics and staff,

The dean has no teaching responsibility. However, s/he usually prefers to give courses.

Associate Deans Nilgün ERGUN and Yegan KAHYA

Associate Deans assist the Dean in carrying out all the administrative work. The teaching responsibility of the Associate Dean is minimum of 5 hours/week.

Associate Dean Yegan KAHYA is responsible in;

- Planning and organizing of space facilities, equipment and personnel,
- Project development,
- Financial and purchasing works,
- Organizing and coordinating cleaning and construction works,
- Organizing and controlling security and emergency related issues,
- Organizing and coordinating technology related issues such as data show, computer purchasing, LAN construction and maintaining,
- Organizing personnel development facilities such as first aid courses,
- Other administrative duties.

Associate Dean Nilgün ERGUN is responsible in;

- Coordinating issues related with student affairs,
- Controlling issues related with education and ensuring proper application of ITU undergraduate regulations,
- Organizing and coordinating students' social activities and clubs,
- Ensuring proper application of course plans,
- Preparing and coordinating lecture and exam time-tables,
- Coordinating issues related with student exchange between different majors,
- Coordinating issues related with double-major programs,
- Coordinating lecture-rooms and studios assignments,
- Organizing and coordinating faculty-wide social activities,
- Other administrative duties.

Chair of Department of Architecture: Gülen ÇAĞDAŞ

The Department Chair is responsible in organizing efficiently execution of the research and educational activities of the academics and department staff. The teaching responsibility of the Department Head is minimum of 5 hours/week.

Associate Chair of Department of Architecture: Deniz MAZLUM and Göksenin İNALHAN

Associate Heads assist Department Head in carrying out all the administrative work of the department. **Department Administrative Secretaries: Ciğdem MEYDAN and Ayşegül KOMAR**

Manage all written and oral administrative relation between the Department and academics, branches, faculty, and institutes.

Library Staff

- Specialist Sevil ÖZKAN
- Specialist (Periodicals) Murat AYATAÇ
- Librarian Selma CİN

- Librarian (Periodicals) Ayhan ÇITLAK
- **Student Affairs Office Staff**
- Nurten TOKATLI
- Sercan GÜR

Computer Centre

- Instructor Atilla AYDOĞDU (network administrator)
- Specialist Gültekin PULAT (network administrator)
- Technicians Azat YAŞAR and Vahap GÜRBÜZ

Building Materials Laboratory Technician İbrahim ÖZTÜRK Copy Centre Technician Harun CEYLAN Photograpy and Visual Arts Laboratory Specialist Aras NEFTCİ, Ph.D.

LABORATORY

Building Material Laboratory

The Building Materials Laboratory in the Department of Architecture of ITU was founded in 1968 primarily to support the education by the facilities that help to realize research and development in the area of building materials in architecture. The research areas are focused on developing new materials based significantly on local resources, improving the quality of existing building materials and characterizing the existing and/or historical materials.

Physical, Mechanical, Technological and the Chemical properties of the building materials can be determined. The Laboratory provides research opportunities for undergraduate, graduate students as well as academic researchers of our university. The laboratory has a main laboratory section and a classroom space.

Building Material Laboratory II

The Building Material Laboratory, completed in 2006, was established for research on building materials in historic buildings and is used by both undergraduate and graduate students. Characterization of the buildings materials in historic buildings, examining of samples from the buildings for the aim of determining the problems and working up on proposals for restoration and conservation projects are the main purposes of this laboratory. For this research field there are different equipments for experiments like; fume cupboard, drying oven, ash stove, centrifugal machine, thermogravimeter, magnetic mixer with heater, scales, conductance measured, pH meter, trinocular microscopes, stoning machine, pure water producer and ultrasonic tab.

Wind Tunnel Unit

The studies related to the wind are realized in Istanbul Technical University, Physical Environment Control Laboratory by the support of I.T.U. Mechanical Engineering Faculty equipment and staff. The tunnel in I.T.U Faculty of Architecture Physical Environmental Control Laboratory is an open returning-closed jet Eiffel type, sub sonic and also a suction type tunnel.

Acoustics Unit

Acoustics unit of Physical Environmental Control Laboratory had acoustic test rooms. The test rooms give opportunities for the following measurements: (1) sound insulation measurements for building elements against airborne sound; (2) sound insulation measurements for new constructions if the existing building element is not sufficient for sound insulation after measurements; (3) sound transmission measurements for doors and windows to improve their performance and develop new types of doors and windows. The following measurement types can be realized by acoustical unit in the field studies: (1) environmental noise measurements (traffic, airport, railroad, industry, etc.); (2) sound transmission loss measurements for building elements; (3) reverberation time measurements for

closed spaces (auditorium, concert hall, meeting room, etc.). Acoustical unit test rooms consist of two test rooms.

Climatization Unit

This laboratory has been established in Faculty of Architecture for climatic and thermal comfort measurements in order to evaluate existing buildings. The laboratory is used for educational purposes, researches and professional consultant works and it covers the following instruments. The Indoor Climate Analyzer has widespread applications in the heating and air-conditioning fields. The Analyzer can be used to help in the provision of more acceptable working conditions. Using the Analyzer, measurements can be conducted to see if an existing environment is satisfactory, or to determine the type and size of any improvements to heating and air conditioning plant that are required. It can also be used to investigate complaints from staff and provide quantitative data to help overcome the problems encountered. It has different probes for air temperature, humidity, air velocity, radiant temperature and surface temperature measurements.

Lighting Unit

This laboratory is open for access of all graduate and undergraduate programs' students. Aim of the unit is to measure the magnitudes of illuminative sources. For this purpose our faculty owns luxmeter, photometer and different types of light sources related with the articifial illumination.

Sanitary Installation Unit

This laboratory was equipped for analysis based information practice with samples and models for health care equipment and application boards for grey-water and fresh-water discharge systems.

MODEL WORKSHOP

The Model Workshop, completed in 2007, was established for usage of both undergraduate and graduate students.

This workshop has equipments like, circular saw, t-square machine, fret-saw, belt-saw, 100lt compressor, hammer drill, different types of pliers, paint spraying pistol, carborundum pistol, and different types of graters. This workshop established with the donations of ITU Architectural Faculty graduates.

A 3D speed prototyping machine and 3 laser cutters with their support computers and other equipment had been added to model workshops of the school at 2009 and 2010.

9. Information Resources

ARCHIVES:

Faculty of Architecture Archive

Faculty of Architecture Archive was established in 2003. Administrative documents, graduation projects, photographs, films, books published by Faculty of Architecture, catalogs of past academic years, student cards that were used for architectural design studios documentation, dissertation thesis, special archives of emeritus professors, Archive of Sedat Çetintaş which contains special drawings of historical monuments, are archived in this space.

A new personel Kubilay ÖNAL assigned as the responsible person form archive. He worked with two student assistants for reorganizing the archive documents.

Restoration Archive

Restoration Archive had many historical site plans and restoration projects realized by faculty members and students. This archive also cataloged some digital maps of Istanbul.

LIBRARY

In 2007, Central Library (Mustafa İnan Library) was moved from its temporary building to its new building constructed near Students' Hall and Sports Hall in the main campus of the university. The Central Library is now open 24 hours in 7 days of the week with some parts. The whole sections of the Central Library will be opened to student use as 24 hours and 7 days of week in the following weeks.

There are also the faculty libraries in the faculties of Mechanical Engineering (Gümüşsuyu), Architecture (Taşkışla), Management (Maçka), and Maritime (Tuzla), the Turkish Music State Conservatory, the Department of Languages and History of Atatürk Reforms (Maçka) and the Department of Fine Arts (Taşkışla).ITU libraries have approximately 223.438 volumes of books, and also 50.000 e-books. The number of subscribed periodicals is 15.515 (751 printed, 14.764 on-line). The ITU libraries work on an open shelf basis. There is an interlibrary loan and a supply of periodicals service. The monthly lists of newly bought books and the subscribed periodicals can be found at http://www.library.itu.edu.tr.

Administrative Structure

In 2009 Istanbul Technical University Senate decided that all units which were organized under the departmental organization of the university will be unified. A basic academic faculty unit will organize in every undergraduate department in the university. According to this regulation of university senate 4 existing academic faculty organization units of Department of Architecture were closed and a new Academic Faculty Unit of Architecture was inaugurated. The specialization of faculty members in Appendix 2 is listed according to old academic units of the department.

D. ANNUAL REPORT **STATISTICS**

NAAB STATISTICAL REPORT

Istanbul Technical University / Faculty of Architecture Completed by: October , 2010 ACSA region:

State University

STUDENT DATA

	4 year PreProf	M.Arch PostNonProf	
Full-Time Students	797	22	
Part-Time Students	-	-	
FTE Students	-	-	
Arch Design Studio Students	797	21	
Students Working Part-Time	-	-	
Outside Stud. Serv. by Dept.	66	-	
African American Students	NA		
Native American Students	NA		
Asian/Pacific Students	NA		
Hispanic Origin Students	NA		
Women Students	503	17	
Foreign Students	31	-	
Total Degrees Awarded	136	12	
Grads. Fin. Estab. No. Yrs.	132		
Degrees Awarded Women	90	9	
Degrees Awarded Afri-American	NA		
Degrees Awarded Amer. Ind.	NA		
Degrees Awarded Asi/Pac. Isl.	NA		
Degrees Awarded Hispanics	NA		
Min Req. Sat/Act/Gre Score	NA		
Number Of Applicants	NA	30	
Number Accepted	140	11	
Enrollment Target/Goal	140 (for 2009)	20	
Student Studio/Faculty Ratio	797/ 89 (not included RA)= 8,95 797 / 138 (included RA) = 5,77	21/2=10.5	

NAAB STATISTICAL REPORT

Istanbul Technical University / Faculty of Architecture Completed by: October, 2010

FACILITY / RESOURCE DATA

Departmental Library LCNA or 720-729 Collection	4942
Total Architecture Collection in Departmental Library	9875
University Library LCNA or 720-729 Collection	2268
Total Architecture Collection in University Library	33968
Departmental Library Architecture Slides*	-
University Library Architecture Slides	-
Departmental Library Architecture Videos	177
Staff in Dept. Library	4 (between 610 pm., another staff from university library is commissioned at faculty library)
Number of Computer Stations	139
Amount Spent on Information Technology**	\$ 345.000 (at university)
Annual Budget For Library Resources ***	\$ 39.421.33 (at faculty) \$ 2.400.000 (at university)
Per-Capita Financial Support Received From University	\$ 7347
Private Outside Monies Received by Source	-
Studio Area (Net Sq.Ft./M2)	reserved specifically for architecture dept: 1834.3 sq.m. (also, another 316.8 sq.m. studio area is shared by another dept. at the faculty)
Total Area (Gross Sq.Ft./M2)	32.328 sq.m.

(*)Even if Architectural Faculty does not have a special archive for slides, History of Architecture and Restoration divisions do have slide archives that are also open for the usage of whole Department. There are approximately 14.000 slides at the archive of History of Architecture Division and 15.000 slides at the archive of Restoration Division.

(**)On 2004, ITU did a special investment program on a new infrastructure of Information Technology Systems, which has involved whole university and was cost 5 million dollars. As a result, a major need hasn't been occurred since than and this is the reason why the amount of expenditure on the chart during the year 2007 is not as high as it could be expected. On 2004 some of the works had been done during information technology system investment program are:

- Whole computer centers had been upgraded
- Main internet providers had been upgraded
- A wireless internet system had been developed for whole faculties
- Internet access speed had been upgraded to 110 megabyte
- Distant teaching system had been developed.
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(***)This amount of money just shows the yearly expenditure on providing books for the libraries. In addition to this, ITU has subscriptions for all scientific periodicals from the publishers like Elsevier, Springer, Blackwell, Wiley, 15540 journals of different foundations, 4000.000 electronic dissertations and more than 50.000 electronic books.

Architectural Publications Index, JSTOR Arts & Sciences I-III, Web of Science Arts & Humanities Citation Index, Web of Science SSCI are the electronic databases that ITU has subscription for to be used on architecture related subjects.

There is no separated budget of Architectural Faculty for the expenditures of databases and libraries. All expenditures have been providing from the same budget of the University and there are no difficulties about supplying any kind of publications of different types of interests.

NAAB STATISTICAL REPORT

Istanbul Technical University / Faculty of Architecture Completed by: October, 2010

	number	minimum (\$)	average(\$)	maximum(\$)	Uni.avg. (\$)
Professor	31	2366	2480	2594	2480
Associate professor	20	1825	1841	1858	1841
Assistant professor	27	1530	1546	1563	1546
Research assistant	47	1206	1222,5	1239	1222,5
Instructor	11	1286	1302.5	1319	1302.5

FULL-TIME FACULTY SALARIES

FACULTY DATA

	Department total
Full-Time Faculty	138
Part-Time Faculty	NA
Full-Time Equivalent (FTE) Faculty	49
Tenured Faculty	49
Tenure-Track Positions	79
FTE Administrative Positions	6 administrative positions (Associate rector, dean, associate dean, chair of department architecture, 2 associate department chairs)
Faculty Engaged in Service To Comm.	18
Faculty Engaged in Service To Univ.	35
FT Faculty Who are U.S. (Turkish) Licensed Registered Architects	122
PT Faculty Who are U.S. Licensed Registered Architects	NA
Practicing Architects ****	-
FTE Graduate Tas	-
FT Faculty Avg. Contact Hrs/Wk	10/Wk
PT Faculty Avg. Contact Hrs/Wk	NA

(****)A big number of faculties are working on architectural design projects through ITU Revolving Fund (İTÜ Döner Sermayesi). As an addition to the full-time faculty of the department, each term architects and designers from the practice are leading some design studios as guest tutors and also being invited as a jury member for the term projects and graduation projects.

NAAB STATISTICAL REPORT

Istanbul Technical University / Faculty of Architecture Completed by: October, 2010

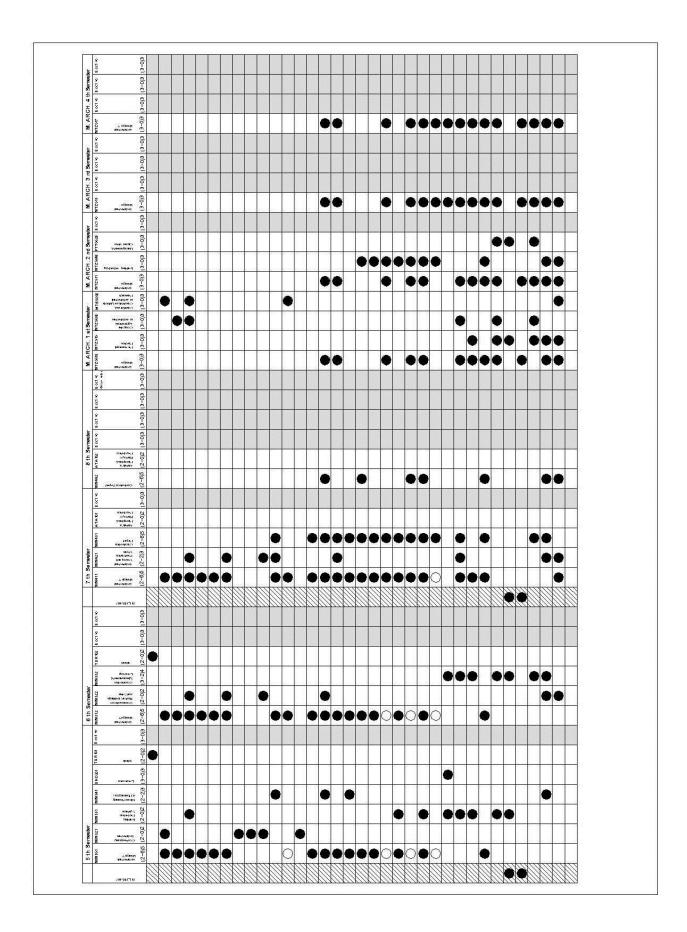
Number Full-Time Faculty Credentials

	Ph.D.	M.Sc.	M.Arch.
Prof.	31	31	31
Assoc. Prof.	20	20	20
Assist. Prof.	27	27	27
Research Assist.	12	47	47
Instructor	11	11	11
Specialist	1	1	

	FT	РТ	Prof.	Assoc. Prof.	Assist. Prof.	Research Assist.	Instructor
African-American Faculty	NA						
Native American Faculty	NA						
Asian/Pacific Island Faculty	NA						
Hispanic Origin Faculty	NA						
Women Faculty	79	NA	18	13	19	25	4

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APPENDIX 1 Student Performance Criteria Matrix



APPENDIX 2 List of Academic Staff

- *: indicates tenured faculty +: indicates part-time faculty p: indicates holding a professional architect license

Professors	
Zeynep AHUNBAY, Ph.D. * ^p	Restoration
Nihal ARIOĞLU, Ph.D. * ^p	Building Science
Semra AYDINLI, Ph.D. * ^p	Architectural Design
Gülen ÇAĞDAŞ, Ph.D. * ^p	Architectural Design
Oğuz Cem ÇELİK, Ph.D. *	Building Science
Feridun ÇILI, Ph.D. *	Building Science
Atilla DİKBAŞ, Ph.D. * ^p	Building Science
Arzu ERDEM, Ph.D. * ^p	Architectural Design
Ahmet ERSEN, Ph.D. * ^p	Restoration
K. Kutgün EYÜPGİLLER, Ph.D. * ^p	Restoration
Heyecan GİRİTLİ, Ph.D. * ^p	Building Science
Işıl HACIHASANOĞLU, Ph.D. * ^p	Architectural Design
Orhan HACIHASANOĞLU, Ph.D. * ^p	Architectural Design
Özkan İŞLER, Ph.D. *	Building Science
Alaattin KANOĞLU, Ph.D. * ^p	Building Science
Gül KOÇLAR ORAL, Ph.D. * ^p	Building Science
Oğuz MÜFTÜOĞLU, Ph.D. *	Restoration
Ahsen ÖZSOY, Ph.D. * ^p	Architectural Design
A. Şule ÖZÜEKREN, Ph.D. * ^p	Building Science
Gülçin PULAT GÖKMEN, Ph.D. * ^p	Architectural Design
Gülsün SAĞLAMER, Ph.D. + p	Architectural Design
N. Turgut SANER, Ph.D. * ^p	Architectural History
Ayşe ŞENTÜRER, Ph.D. * ^p	Architectural Design
Leyla TANAÇAN, Ph.D. ^p	Building Science
Belkıs ULUOĞLU, Ph.D. * ^p	Architectural Design
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