

INSTITUTE FOR FORENSIC ENGINEERING

Head of the Institute:
Juraj Nagy

Tel.: +421 2 59274 701
Fax: +421 2 52967 848
E-mail: juraj.nagy@stuba.sk

I. STAFF

Emeritus

Majdúch Dušan +421 2 59274 553 majduch@svf.stuba.sk

Associate Professors

Nič Milan +421 2 59274 704 nic@svf.stuba.sk

Senior Lecturers

Nagy Juraj +421 2 59274 712 juraj.nagy@stuba.sk
Antošová Nad'a +421 2 59274 717 antosova@svf.stuba.sk

Technical Staff

Cingel'ová Henrieta +421 2 59274 701 usz@svf.stuba.sk

III. TEACHING

Specialized courses for experts have been provided by the Institute for Forensic Engineering since 1999 in accordance with a program approved by the Scientific Council of the Institute. Experts in property valuation lecture on technical and economic subjects.

After approval of the study program, the Faculty of Civil Engineering of the Slovak University of Technology as an expert institute was charged with providing specialized courses in the Building Industry field (**No. POA: 0473/22091/2004365/1**) and specialized courses (**No. POA: 0473/22091/2004/365/2**) concerning the performance method of expert activities (experts minimum) by the Ministry of Justice of the Slovak Republic.

III.1 Graduate Study

Subjects	Semester	Hours Per Semester		Lecturer
		Lectures	Seminars	
Basics of Legal Expertise	10	2	0	Nič
Real Estate Valuation	8	2	2	Nič

III.2 Postgraduate Study

Subjects	Semester	Hours Per Semester		Lecturer
		Lectures	Seminars	
Basics of Legal Expertise	1	7	0	Nič
Basics of Civil and Commercial Law	1	15	0	Kopšová, Zajacová
Basics of Criminal Law	2	0	8	Samaš
Building Act	2	8	0	Kopšová
Methodology of Expert Opinions	1	10	10	Nič
Land Registry	1	10	0	Ďungel

Building Structures	1	12 – 0	Ohrablo, Puškár
Static Analysis of Building Structures	1	10 – 0	Fillo,
Building Materials and Conformity to Certification	1	12 – 0	Unčík, Nováčiková
Planning and Technology of Buildings	3	12 – 0	Božík
Real Estate Valuation Theory	1	25 – 0	Nič
Building Services	2	6 – 0	Lulkovičová
Building Physics	2	10 – 0	Chmúrny,
Soil Mechanics, Foundations and Mining Work	1	9 – 0	Turček
Transport Engineering	2	8 – 0	Bezák, Bačová
Real Estate Valuation According to Previous Price Legislation	3	12 – 0	Weigel
Real Estate Valuation According to Current Price Legislation	2	16 – 15	Majdúch
Cost Estimates of Construction and Design	2	15 – 0	Bollová
Services to Insurers and Real Estate Agents	2	8 – 0	Ilavský
Water Structures	2	8 – 0	Božíková
Defects in Buildings and Their Diagnosis	3	10 – 0	Bilčík
Fire Protection of Buildings	3	4 – 0	Mikolai
Real Estate Valuation – Foreign Approach	3	6 – 0	Nič
General Value of Real Estate	3	21 – 15	Majdúch
Evaluating Business Property	3	8 – 0	Majdúch
Methodology of Valuation for Financial Institutions	3	8 – 0	Holík
Information Technology for Experts	3	6 – 0	Štipkala

III.3. Specialized Courses

About the performance method of expert activities (Minimum Experts Requirements). The target of the study is to provide expert knowledge concerning regulations connected with expert activities, innovations in knowledge within the framework of the previous study and the work of experts.

Subjects	Hours Per Seminar Lectures	Lecturer
Regulations for Expert Activities	6	Nič
Civil Law for Experts	6	Kopšová
Criminal Law for Experts	4	Samaš
Commercial Law for Experts	4	Kopšová
Methodology of Expert Opinions	6	Nič
Performance of Expert Activities Connected with State Organs	4	Nagy

III.4 Doctoral Study

The Slovak University of Technology is authorized to confer the academic title of “doctor” (“philosophiae doctor” “PhD.”) to graduates of the Forensic Engineering doctoral study program in the field of study of Forensic Engineering.

Basic information

Name of study program: Forensic Engineering

University study level: 5.2.58 Forensic Engineering

Degree of study: 3 (doctoral study program)

Academic title: “doctor” (“philosophiae doctor”, in abbrev. “PhD.”)

Form of study: internal, external

Standard length of study: 3 years (5 years)

Guarantor of study program: prof. Ing. Igor Trávník, DrSc.

Subjects	Semester	Lecturer
Dissertation Project I	1	Kopšová
Dissertation Project II	2	Majdúch
Dissertation Project III	3	Zajac
Dissertation Project IV	4	Trávník
Dissertation Project V	5	Trávník
Dissertation Project VI	6	Trávník
Theories of Probability, Mathematical Statistics, Mathematical Simulation of Processes	1	Mesiar
Analysis of Damage	1	Zajac
Professional English	1,2	Špildová
Professional German	1,2	Špildová
Stochastic Access to Analysis of Processes in Real Estate and Construction Evaluation	2	Majdúch
Subject of Specialization	2	
- Building Constructions		Puškář
- Energy Audit of Buildings		Petráš
- Bearing Structures of Concrete and Masonry Constructions		Fillo
- Bearing Structures of Steel and Timber Constructions		Baláž
- Construction Damage		Bilčík
- Costs and Prices in the Building Industry		Trávník
- Building Products		Bajza
- Conformity to Certification and Technical Normalisation		Bíly
Pedagogical Activity I	1	Nič
Pedagogical Activity II	2	Nič
Pedagogical Activity III	3	Nič
Pedagogical Activity IV	4	Nič
Pedagogical Activity V	5	Nič
Publication Activity I	4	Gašparík
Publication Activity II	5	Gašparík

IV. RESEARCH TARGETS

European Social Fund: Project of Continuing Education in the Building Industry concerning the Performance Method of Expert Activities – Minimum Experts Requirements.

VI. COOPERATION

VI.1 Cooperation in Slovakia

1. Ministry of Justice of the Slovak Republic, Bratislava
2. Regional Court of Justice, Bratislava
3. Building Testing and Research Institute, Nové Mesto nad Váhom Branch Office
4. Cenekon, Ltd., Bratislava

VI.2 International Cooperation

1. Institute for Forensic Engineering, Brno, Czech Republic
2. TZÚS, Prague, Czech Republic
3. Institute for Postgraduate Studies in Economics, Budapest University of Economic Sciences and Public Administration, Budapest, Hungary
4. Cracow Real Estate Institute, Cracow, Poland

VIII. OTHER ACTIVITIES

1. Nič, M.: Member of the European Organisation for Quality – EOQ Quality Auditor
2. Nagy, J.: President of Association of Building Appraisers
3. Publication of Expert Almanac
4. Organisation of “Club Thursdays” - Regular Meetings of Experts
5. Nič, M.: Member of an advisory team for preparation of a new construction act as a part of the Building Order – Ministry of Construction and Regional Development of the Slovak Republic (MVRR SR), Section of Policies on the Building Industry and Apartment Dwellings.
6. Nováčiková, J.: Member of TK 75 Stone and Gravel Technical Commission
7. Nič, M.: Member of an advisory team of the Ministry of MVRR SR for methodics and authorisation of conformity to certification

VIII.2 Commercial Activities for Firms and Institutions

The Institute provides expert opinions in the fields of Building Structures, Real Estate Valuation, Cost Estimates of Construction and Design, Building Constructions and Statics. Clients include:

1. Vodohospodárska výstavba, Bratislava
2. ÚEOS Komercia, Bratislava
3. Slovenské elektrárne, Jaslovské Bohunice
4. Bureau of Customs of the Slovak Republic, Bratislava
5. Ministry of the Interior of the Slovak Republic, Bratislava
6. District Court in Žilina
7. District Court in Čadca

8. Regional Court in Bratislava
9. District Court in Banská Bystrica
10. District Court in Nitra
11. Office of Civil Protection - Ministry of Justice of the Slovak Republic, Bratislava
12. Renault Slovakia, Bratislava
13. Cultural Amenities Administration - Ministry of Culture of the Slovak Republic, Bratislava

IX. PUBLICATIONS

IX.1 Journals

- [1] Nagy, J.: Example of an Expert Opinion on Estimate of Value of Construction Works. In: Almanach znalca. STU SvF Bratislava 2006, ISSN 1336-3174
- [2] Nagy, J. - Antošová, N.: General Pricing of Real Estate Using the Combined Method. In: Almanach znalca. STU SvF Bratislava 2006, ISSN 1336-3174.
- [3] Nič, M. - Ťapák, P. - Burger, P.: The Development of the Self-Governing Region of Košice. In: Almanach znalca. STU SvF Bratislava 2006, ISSN 1336-3174
- [4] Nič, M.: Villages and Expert Co-operation. In: Almanach znalca. STU SvF Bratislava 2006, ISSN 1336-3174
- [5] Nagy, J.: Impact of Short-Term Elements on Structural Value. In: Lidé, stavby a příroda. VUT Brno, 2006 (in Czech) ISBN 80-7204-475-3
- [7] Nagy, J.: Calculating Value of Technical State and Useful Life of a Construction. In: Proceedings of seminar: Cena a životní cyklus stavebního díla VUT Brno, Apr. 26, 2006, ISBN 80-214-3189-X (in Czech)
- [8] Nagy, J.: Impact of Short-Term Elements on Structural Value. In: Proceedings of Meeting of Experts on Forensic Engineering: Determination of General Real Estate Value in Accession Conditions of the Slovak Republic into the European Union. Kočovce, Dec. 6–7, 2006. STU Bratislava, ISBN 20-227-2571-4 (in Slovak)
- [9] Antošová, N.: Conclusions from Technology of ETICS Decontamination with Bio-corrosion Failure. In: Proceedings of seminar: Vývojové tendencie v technológii stavieb. STU Bratislava 2006, ISBN 80-227-2478-5 (in Slovak)
- [10] Nič, M.: Determination of General Real Estate Value in Accession Conditions of the Slovak Republic into the European Union. In: Proceedings of Meeting of Experts on Forensic Engineering: Determination of General Real Estate Value in Accession Conditions of the Slovak Republic into the European Union. Kočovce, Dec. 6–7, 2006. STU Bratislava, ISBN 20-227-2571-4 (in Slovak)
- [11] Nič, M.: Effective Management of Lifetime of Housing. In: Facility Management 2006. STU Bratislava 2006, ISBN 80-89216-09-9
- [12] Nič, M.: The Use of Statistical Methods in Determining General Real Estate Value. In: Proceedings of Meeting of Experts on Forensic Engineering: Determination of General Real Estate Value in Accession Conditions of the Slovak Republic into the European Union. Kočovce, Dec. 6–7, 2006. STU Bratislava, ISBN 20-227-2571-4 (in Slovak)

- [13] Antošová, N.: Conclusions from Technology of ETICS Decontamination with Bio-Corrosion Failure. In: Proceedings of seminar: On Vývojové tendencie v technológii stavieb. STU Bratislava 2006, ISBN 80-227-2478-5 (in Slovak)

IX.2 Books and Textbooks

- [1] Nič, M.: Methodology of Expert Activities. STU Bratislava 2006, 104 pp., ISBN 978-80-227-2574-4, ISBN 80-227-2577-3 (in Slovak)
- [2] Nagy, J.: Indicator Review of the Average Budget Price per Measure Unit of a Structure. UNIKA Bratislava 2006, 89 pp., ISBN 80-88966-54-X (in Slovak)
- [3] Majdúch, D: The General Value of Structures and Lands. STU Bratislava 2006, 143 pp, ISBN 80-227-2433-5 (in Slovak)

IX.3 Conferences

- [1] Nagy, J.: Law on Prices. Amendment of Building Act, Connected Regulations, Investments, Prices. In: Proceedings of UNIKA Seminar, Bratislava, Nov. 21-22, 2006 (in Slovak)
- [2] Nagy, J.: Law on Prices. Amendment of Building Act, Connected Regulations, Investments, Prices. In: Proceedings of UNIKA Seminar, Stará Lesná, Nov. 15-16 2006 (in Slovak)
- [3] Nič, M.: Construction Inspection. In: Proceedings of Meeting of Experts on Forensic Engineering. Expert appraisal. Prague, Nov. 6, 2006 (in Czech)
- [4] Nagy, J.: Determination of the General Value of Real Estate in Slovakia. Proceedings of Meeting of Experts on Forensic Engineering. Expert appraisal. Prague, Nov. 6, 2006 (in Czech)
- [5] Nič, M.: Determination of General Real Estate Value in Accession Conditions of the Slovak Republic into the European Union. In: Proceedings of Meeting of Experts on Forensic Engineering: Determination of General Real Estate Value in Accession Conditions of the Slovak Republic into the European Union. Kočovce, Dec. 6-7, 2006. STU Bratislava, ISBN 20-227-2571-4 (in Slovak)