

Further Discussion on Relevant rules and regulations for designing, constructing universities

Nguyen Trong Diep, LLD¹, Dinh Tran Ngoc Huy, MBA², Nguyen Dinh Trung, PhD³, Nguyen Anh Thu, PhD⁴

¹School of Law, Vietnam National University, Hanoi

²Banking University HCM city Vietnam – GSIM, International University of Japan, Niigata, Japan

³National Economics University, Hanoi Vietnam

⁴School of Law, Vietnam National University, Hanoi

Received: 19 Nov 2022; Received in revised form: 11 Dec 2022; Accepted: 19 Dec 2022; Available online: 24 Dec 2022

©2022 The Author(s). Published by AI Publications. This is an open access article under the CC BY license

<https://creativecommons.org/licenses/by/4.0/>

Abstract— *The purpose of this study focuses on studying Relevant rules and regulations for designing, constructing universities, as well as the service quality of the lecture hall via a case of National Economics University Hanoi. Jun Ma (2015) pointed The construction and sharing of university teaching resources library plays positive effect in promoting the innovation of teaching mode, learning mode and the mode of talents training and promoting the reform of higher education. By using description, qualitative analysis including synthesis and inductive methods, This study finds out that TCVN 3981:1985 on Universities - Design standards requires: Design standards for university lecture halls- The lecture hall is a large room, performing the teaching and learning functions of universities and colleges. Therefore, when designing this space must be very careful.*

Keywords— *service quality, regulations, building, universities, lecture hall*

I. INTRODUCTION

The objectives of the study:

- The topic focuses on studying Relevant rules and regulations for designing, constructing universities.

Research questions:

Question 1: Evaluation of The service quality of the lecture hall in

National Economics University, Hanoi ?

Question 2: What are Further Discussion on Relevant rules and regulations for designing, constructing universities?

Next, Parasuraman et al (1985) argue that service quality is a function of the five gap model. Jun Ma (2015) showed The goal of building the teaching resource library in university is to provide support for the teaching reform and the transformation of the teaching mode.

In addition to the important standards presented in this study, you must also pay close attention to the conditions of hygiene, safety, fire prevention (fire protection), electricity,

water and light, etc. in accordance with Vietnamese construction standards) for creating a professional, standard, and world-class educational environment.

II. METHODOLOGY

Authors use both qualitative and quantitative research methods. Specifically, conducting in-depth interviews with a number of managers directly and indirectly related to the Lecturer Service Department to determine the constitutive factors and factors affecting the service quality of the teaching department. On the basis of that in-depth interview, complete the model, build a questionnaire to survey and collect data for quantitative analysis.

Questionnaire survey: The project plans to collect primary data through survey questionnaires.

Then this study also uses observations and dialectical methods.

III. MAIN FINDINGS

3.1. Background information

Recently, the central building of the National Economics University was put into operation, attracting students. Called the "building of the century" built in the style of modern French architecture, creating a new and unique environment for students to study.



Fig.1- NEU building

(source: zing.vn)



Fig.2 – Constructing new building for students NEU

(source: eva.vn)

Needless to say, everyone has to admit that National Economics University is one of the hottest schools in the current social network. Not to mention the remarkable achievements that this school has achieved so far, recently, NEU has been continuously broadcasting with a confession fan page with millions of likes, with beautiful boys and girls like hot boys, hot girls and more. Of course, the "building of the century" is indispensable. Auditorium A2 was built over a period of 13 years and is called by many people as the "building of the century", which has overwhelmed everyone by its elegance - genuineness - beauty and impressive architecture.

But recently, NEU students continue to make students from other schools "gato" up and down when showing off pictures of their new library. Just like the luxurious 7-storey library of Ton Duc Thang University, the NEU library will break the mindset that the library is a boring place full of books, notebooks and nerds!

The new library of National Economics University is also located in the century-old building block, the 4-storey library is located between the A2 lecture hall that people still talk about and the A1 building that is about to be inaugurated, which will be the administrative block.

(source: guu.vn)

3.2. Relevant regulations in designing, constructing universities

A university, no matter how many or few students, must ensure architectural design standards with all of the following areas:

Study areas and scientific research facilities

Library, hall

Sports and Exercises area

Student dormitory

Living quarters of lecturers and staff

Technical works area includes: pumping station, transformer station, repair workshop, warehouse and garage for cars and bicycles.

The premises selected for the construction of the university must be spacious, tall, and ensure quietness, free from vibrations and disturbances from toxic smoke and toxic vapors. Besides, there must be convenient roads, good conditions of electricity and water supply, communication, internet, etc.

According to Vietnamese standards - TCVN 3981:1985 on design of university lecture halls:

A. Design standards for university lecture halls

The lecture hall is a large room, performing the teaching and learning functions of universities and colleges. Therefore, when designing this space must be very careful.

B. Design standards for lecture space

Ground conditions, specialized standards of each university are not the same, but basically the design of the lecture hall should meet the following general requirements:

Firstly, the space is spacious, with more than 1 entrance. The reason is because: Lecture halls often have a large capacity, there are rooms equivalent to a large hall. The number of people is large, if the space is cramped, it will make students feel tired, causing the room to have problems with sound, the ability to absorb is reduced, the quality of the lesson is not good.



Fig.3 – Students Life corners at Neu Hanoi

(source: Guu.vn)

Classroom podiums are usually built from bricks and covered with high-grade ceramic tiles. The podiums for large lecture halls are usually made of moisture-resistant industrial wood, covered with high-tech PU paint. The average height of the podium is the same: 25 – 35cm

Writing boards or screens are important aids for teaching. According to national standards, the minimum table surface area is:

5m² for lecture hall 50 - 75 seats

7m² with lecture hall 160 - 150 seats

10m² for lecture halls of 200 seats or larger.

Attention:

Distance between the teacher's desk and the blackboard: at least 90cm

Distance from the blackboard to the front row: Minimum 200cm

Distance from the screen to the backrest of the first row: 300cm

c. Sound and light standards:

Some notes about lighting that architects as well as investors when designing university lecture spaces need to achieve:

Guaranteed illuminance in the range of 300 - 500 lux (Lux is a unit of light power, the amount of light shining on a specific surface, 1 Lux = 1 Lumen/m²).

Arrange rows of lights parallel to the view from the door to limit glare. Lighting strips should be arranged directly from the ceiling.

The number of lights ensures standard illuminance with a power density of less than 10W/m².

According to construction standards, the lecture hall must have a beautiful direction and receive a lot of natural light. Arrange many windows to get the best light.

Hall design standards

The large hall is the space to perform the community function of a university or college. This is one of the differences between the design standards of colleges and universities and the standards of preschools, primary schools, junior high schools, etc.

The hall is the venue for important events of the school such as: opening ceremony, meeting, founding anniversary, conferences, seminars, etc. It is also the place to organize entertainment events, cultural performances, meeting, etc. of students.

3.3 Evaluation of lecture hall in National Economics University, Hanoi

Based on the results of the survey data, different subjects have different views on the criteria for evaluating service quality. Staff, teachers, and students value responsiveness and empathy, while classroom staff are more concerned with reliability and reassurance.



Fig.4- Assessment of service quality of the subjects

Evaluation of lecture staff according to the criterion of Reliability

Lecturer service staff believe that they have served properly and ensured the time prescribed by the University, while lecturers and students do not agree with that opinion. (Nguyen Anh Thu, Nguyen Trong Diep, Dinh Tran Ngoc Huy, Nguyen Dinh Trung, 2022)

IV. DISCUSSION AND CONCLUSION

In above section we make:

- Evaluation of the service quality of the Lecture Department, National Economics University, using the service quality gap model of Parasuraman (1985).
- Discussion on Relevant regulations in designing, constructing universities

REFERENCES

[1] D Thi Ngu, DT Huong, DTN Huy, PT Thanh, ES Dongul. (2021). Language teaching application to English students at master's grade levels on history and macroeconomic-banking management courses in universities and colleges, *Journal of Language and Linguistic Studies* 17 (3), [1457]-1468

[2] Do Thu Huong, Dinh Tran Ngoc Huy, Nguyen Thi Hang ,Pham Thi Huyen Trang ,Duong Thi Ngu. (2021). Discussion on Case Teaching Method in a Risk Management Case Study with Econometric Model at Vietnam Listed Banks – Issues Of Economic Education for Students, *REview of International Geographical Education*, 11(5).

[3] Dat, P.M., Mau, N.D., Loan, B.T.T., & Huy, D.T.N. (2020). Comparative China Corporate Governance Standards After Financial Crisis, *Corporate Scandals and Manipulation*, *Journal of Security and Sustainability Issues*, 9(3). DOI:10.9770/jssi.2020.9.3(18)

[4] DTN Huy. (2015). THE CRITICAL ANALYSIS OF LIMITED SOUTH ASIAN CORPORATE GOVERNANCE STANDARDS AFTER FINANCIAL CRISIS, *International Journal for Quality Research* 9 (4)

[5] DT Tinh, NT Thuy, DT Ngoc Huy. (2021). Doing Business Research and Teaching Methodology for Undergraduate, Postgraduate and Doctoral Students-Case in Various Markets

Including Vietnam, *Elementary education Online* 20 (1)

[6] DVT Thuy, DTN Huy, VTK Anh, NN Thach, HT Hanh. (2021). Quality of education of ethnic minority communities in vietnam-problems and recommendations, *Elementary Education Online*, 20 (4)

[7] Do Thu Huong, Dinh Tran Ngoc Huy, Nguyen Thi Hang ,Pham Thi Huyen Trang ,Duong Thi Ngu. (2021). Discussion on Case Teaching Method in a Risk Management Case Study with Econometric Model at Vietnam Listed Banks – Issues Of Economic Education for Students, *Review of International Geographical Education*, 11(5).

[8] DTN Huy. (2015). The critical analysis of limited south asian corporate governance standards after financial crisis, *International Journal for Quality Research* 9 (4),

[9] DTN Huy, DTN Hien. (2010). The backbone of European corporate governance standards after financial crisis, corporate scandals and manipulation, *Economic and business review* 12 (4)

[10] D Thi Ngu, DT Huong, DTN Huy, PT Thanh, ES Dongul. (2021). Language teaching application to English students at master's grade levels on history and macroeconomic-banking management courses in universities and colleges, *Journal of Language and Linguistic Studies* 17 (3)

[11] Huy, D.T.N., & Hien, D.T.N. (2010).The backbone of European corporate governance standards after financial crisis, corporate scandals and manipulation, *Economic and Business Review*, 12(4).

[12] HOANG, N.T. et al. (2021). Determining factors for educating students for choosing to work for foreign units: Absence of self-efficacy , *Journal for teachers, educators and trainers*, 2021, 12 (2), p. 11-19. Available at: <https://jett.labosfor.com/index.php/jett/article/view/531> . Access: July 28, 2021.

[13] Hang, T.T.B., Nhung, D.T.H., Nhung, D.H., Huy, D.T.N., Hung, N.M., & Dat, P.M. (2020). Where Beta is Going - Case of Vietnam Hotel, Airlines and Tourism Company Groups After The Low Inflation Period, *Entrepreneurship and Sustainability Issues*, 7(3). [http://doi.org/10.9770/jesi.2020.7.3\(55\)](http://doi.org/10.9770/jesi.2020.7.3(55))

[14] Hang, N.T., Tinh, D.T., Huy, D.T.N., & Nhung, P.T.H. (2021). Educating and training labor force Under Covid 19; Impacts to Meet Market Demand in Vietnam during Globalization and Integration Era, *Journal for Educators, Teachers and Trainers*, 12(1): 179-184. DOI: 10.47750/jett.2021.12.01.023

[15] Hai, N.T et al. (2021). EDUCATIONAL PERSPECTIVES ON DIFFERENCES BETWEEN MANAGEMENT CASE STUDY AND ECONOMIC & FINANCE CASE STUDY TEACHING IN UNIVERSITIES, *Design engineering*, Issue 7

[16] Huong, L.T.T., Huong, D.T., Huy, D.T.N., & Thuy, N.T. (2021). Education for students to enhance research skills and meet demand from workplace-case in vietnam , *Elementary education online*, 20(4).

[17] Hoa, N.T et al. (2021). ANALYSIS OF CASE TEACHING METHOD IN UNIVERSITIES - AN ECONOMIC CASE STUDY IN PYROLYSIS PROJECT, *design engineering*, Issue 7

- [18] Jun Ma. (2015). The Research on the Construction of Teaching Resources in Ethnic University in China, *International Journal of Higher Education*, 4(3)
- [19] Minh, N.D. (2018). HO CHI MINH CITY'S THOUGHT ON Ethics of Journalists AND NEED TO USE IN Ethical Career EDUCATION ACTIVITIES CAREERS FOR CURRENT VIETNAMESE STUDENTS, *Education Journal*, 432.
- [20] Muhammad et al. (2014). Academic Buildings and Their Influence on Students' Wellbeing in Higher Education Institutions, *Social Indicators Research* 115(3). DOI:10.1007/s11205-013-0262-6
- [21] NT Hang, DTN Huy, DT Tinh, DT Huyen. (2021). Educating Students in History and Geography Subjects through Visiting Historical Sites to Develop Local Economy and Community Tourism Services in Thai Nguyen and Ha Giang, *Revista geintec-gestao Inovacao E Tecnologias* 11 (3), 1-12
- [22] NT Hoa, DTN Huy, T Van Trung. (2021). Implementation of students scientific research policy at universal education institutions in Vietnam in today situation and solutions , *Review of International Geographical Education Online* 11 (10), 73-80
- [23] Nguyen Dinh Trung , Le Huong Hoa , Bui Thi Thu, Dinh Tran Ngoc Huy, Le Ngoc Nuong (2021). USING ENGLISH TO TEACH STUDENTS WITH SOCIAL SCIENCES MAJOR - VIA A CASE OF SOME VIETNAM NEWSPAPERS WITH THE UK, ITALIAN AND FRENCH APPROACHES and REGULATIONS ON PUBLISHING FAKE NEWS AND INTERNET CRIME, *Journal of Language and Linguistic Studies*, 17(3), 1711-1725
- [24] NT Hai, DTN Huy, NT Hoa, TD Thang. (2021). EDUCATIONAL PERSPECTIVES ON DIFFERENCES BETWEEN MANAGEMENT CASE STUDY AND ECONOMIC & FINANCE CASE STUDY TEACHING IN UNIVERSITIES , *Design Engineering*, 12022-12034
- [25] ND Trung, DTN Huy, TH Le, DT Huong, NT Hoa. (2021). ICT, AI, IOTs and technology applications in education-A case with accelerometer and internet learner gender prediction , *Advances in Mechanics* 9 (3), 1288-1296
- [26] Ogawa, E., & Luo. (2022). Macroeconomic effects of global policy and financial risks, *Intl J of Fin.Economics*, 2. <https://doi.org/10.1002/ijfe.2681>
- [27] PTH Trang, DTN Huy, NT Hoa, DT Huong, DT Ngu. (2021). Analysis of VI Lenin and Ho Chi Minh Views on the Youth Education Process , *Review of International Geographical Education Online* 11 (5), 4552-4559
- [28] PN Tram, DT Ngoc Huy. (2021). Educational, Political and Socio-Economic Development of Vietnam Based on Ho Chi Minh's Ideology, *Elementary Education Online* 20 (1)
- [29] PN Tram, DT Ngoc Huy. (2021). Educational, Political and Socio-Economic Development of Vietnam Based on Ho Chi Minh's Ideology, *Elementary Education Online* 20 (1)
- [30] Sapri, M., Kaka, A., & Finch, E. (2009). Factors influencing students' satisfaction with regard to higher
- [31] education facilities services. *Malaysian Journal of Real Estate*, 4(1), 34-51
- [32] Sapri, M et al. (2009). Factors influencing students satisfaction with regard to higher education facilities services, *Malaysian J of real estate*, 4(1).
- [33] TTH Ha, NB Khoa, DTN Huy, VK Nhan, DH Nhung, PT Anh, PK Duy. (2019). Modern corporate governance standards and role of auditing-cases in some Western european countries after financial crisis, corporate scandals and manipulation, *International Journal of Entrepreneurship* 23 (1S)
- [34] Thi Hoa, N., Hang, N. T., Giang, N. T., & Huy, D. T. N. (2021). Human resource for schools of politics and for international relation during globalization and EVFTA. *Elementary education Online*, 20(4)
- [35] TTB Hang, DTH Nhung, DTN Huy, NM Hung, MD Pham. (2020). Where Beta is going—case of Viet Nam hotel, airlines and tourism company groups after the low inflation period, *Entrepreneurship and Sustainability Issues* 7 (3),
- [36] UNESCO (2009). *Student affairs and services in higher education: global foundations, issues and best practices*. Paris: UNESCO.
- [37] Phuong, N., Huy, D., and Tuan, D. (2020). The Evaluation of Impacts of a Seven Factor Model on NVB Stock Price in Commercial Banking Industry in Vietnam - And Roles of Disclosure of Accounting Policy in Risk Management, *International Journal of Entrepreneurship*, 24 (1).
- [38] TDT Vu, DTN Huy, NTH Trang, NN Thach. (2021). Human Education And Educational Issues For Society And Economy-Case In Emerging Markets Including Vietnam, *Elementary Education Online*, 20 (2)
- [39] Tran Thi Minh Chau (2021), Criticizing wrong thoughts on land ownership regime in Vietnam, *Communist Review*.
- [40] The National Assembly of the Democratic Republic of Vietnam. 1953. Land Reform Law of 1953. http://moj.gov.vn/vbpq/lists/vn%20bn%20php%20ut/view_detail.aspx?itemid=1106. Last accessed 3 October 2017.
- [41] Vu Van Chung, DTN Huy, DT Ngu. (2021). Eastern Philosophical Theories and Marxism-Lenin Philosophies in Viet Nam Society and Education, *Review of International Geographical Education Online* 11 (8), 1586-1591
- [42] Vu Quynh Nam, Dinh Tran Ngoc Huy, Nguyen Thu Thuy, Nguyen Thi Hang, Nguyen Thi Hoa. (2021). Historical Sites and Architectures in Thai Nguyen City and Ha Giang Province in Vietnam - Sources for Tourism Development, *International Journal of Contemporary Architecture-The New Arch*, 8(2)
- [43] Van Tuan, P., Huy, D. T. N., & Duy, P. K. (2021). Impacts of Competitor Selection Strategy on Firm Risk-Case in Vietnam Investment and Finance Industry. *Revista Geintec-Gestao Inovacao E Tecnologias*, 11(3), 127-135.
- [44] VQ Nam, DTN Huy, NT Hang, TH Le, NTP Thanh. (2021). Internet of Things (IoT) Effects and Building Effective Management Information System (MIS) in Vietnam Enterprises and Human-Computer Interaction Issues in Industry 4.0, *Webology*, 18
- [45] VQ Nam, DT NGOC HUY. (2021). Solutions to Promote Startup for the Youth in Minority and Mountainous Region of Thai Nguyen Province-Vietnam, *Journal of Contemporary Issues in Business and Government* 27 (3), 2113-2118
- [46] VQ Nam, DTN Huy, NT Dung. (2021). Suggested Risk Policies from Comparison of 2 Groups of Vietnam Banks-

Previous SOE Banks and Private Banks During Post-Low Inflation Period 2015-2020, REVISTA GEINTEC-GESTAO INOVACAO E TECNOLOGIAS 11 (2), 531-546

- [47] VQ Nam, DT Tinh, DTN Huy, TH Le, LTT Huong. (2021). Internet of Things (IoT), Artificial Intelligence (AI) Applications for Various Sectors in Emerging Markets-and Risk Management Information System (RMIS) Issues, Design Engineering, 609-618