



COURSE DATA

Data Subject

Code	44403
Name	Methodology and quantitative methods of research in social sciences
Cycle	Master's degree
ECTS Credits	9.0
Academic year	2019 - 2020

Study (s)

Degree	Center	Acad. year	Period
2206 - Master's Degree in Accounting, Auditing and Management Control	Faculty of Economics	1	Second term

Subject-matter

Degree	Subject-matter	Character
2206 - Master's Degree in Accounting, Auditing and Management Control	7 - Research	Optional

Coordination

Name	Department
GINER INCHAUSTI, BEGOÑA	44 - Accountancy

SUMMARY

Methodology and quantitative research methods in social sciences deals with the methodology of research in the social sciences and their evolution in the context of scientific activity. The design and planning of experimental research, its validity and limitations. Qualitative research. The statistical tools used in the social sciences and knowledge of the models that support them in properly interpret the data.

The course is divided into three distinct parts. The first, research methodology, is conceptual in nature, addresses the issues of research methodology most relevant and consequently revises the main theoretical aspects that the current accounting research in financial accounting is based. Given by Professor Begoña Giner.

The second part, quantitative research methods is applied character and offers students the proper tools with which to develop research work, preferably adopting a quantitative approach. Taught by Professor Jose Lopez Gracia.



The third part takes place through seminars and research workshops. The seminars aim to analyze various approaches to cutting edge research and are taught by guest lecturers from other universities. The workshops are aimed at learning tasks technical research and, habitually, taught at the University of Valencia.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

No enrollment restrictions have been specified with other subjects in the curriculum.

It's not required that the previous studys , other than those established to access Master, for study this sujet.

COMPETENCES (RD 1393/2007) // LEARNING OUTCOMES (RD 822/2021)

2206 - Master's Degree in Accounting, Auditing and Management Control

- Saber exponer adecuadamente un trabajo ante un tribunal.
- Poder explicar, comparar y evaluar la idoneidad de los diferentes métodos de investigación que se pueden utilizar en las áreas de estudio de la contabilidad. Ser capaces de evaluar críticamente los resultados que derivan de las diversas técnicas de análisis de datos, profundizando en las limitaciones e hipótesis necesarias que contextualizan su validez. Conocer y saber aplicar aplicaciones informáticas de técnicas estadísticas.
- Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.
- Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.
- Students should demonstrate self-directed learning skills for continued academic growth.
- Have critical and self-critical capacity.
- Desarrollo de la actitud ética y de responsabilidad social en el trabajo, respetando los derechos fundamentales y de igualdad, la accesibilidad y el medio ambiente, de acuerdo con los valores propios de una cultura de paz y de valores democráticos.
- Capacidad de búsqueda de información, análisis y síntesis.



- Capacidad de adaptación a nuevas situaciones y de resolución de problemas.
- Capacidad de organización y planificación del trabajo y los recursos.
- Capacidad de asumir responsabilidades y esfuerzo.
- Capacidad de trabajo en equipo y liderazgo.
- Capacidad de comunicación.
- Ser capaz de estructurar, desarrollar adecuadamente y sintetizar las conclusiones más relevantes sobre un tema relacionado con la especialización profesional o investigadora todo ello sabiendo interrelacionar los conocimientos de todas las materias vinculadas con el tema en cuestión.

LEARNING OUTCOMES (RD 1393/2007) // NO CONTENT (RD 822/2021)

With the passing of this subject the student is expected to master the subjects that make up the research specialty in accounting.

As a result of this learning, the student will be able to

- Be able to explain, compare and evaluate the appropriateness of different research methods that can be used in the study areas of financial economics and accounting. Being able to critically evaluate the results derived from the various techniques of data analysis, delving into the limitations and assumptions necessary to contextualize their validity. Know and use applications of statistical techniques.
- Describe and analyze the seminal works, most important or recent of the main lines of research
- Structuring a research work on explaining and justifying the chosen methodology, highlighting the most relevant aspects of the findings, and all this following the usual formal guidelines in this type of work.

DESCRIPTION OF CONTENTS

1. Research methodology

- 1.1. Research as an activity.
- 1.2. The decision on what and how to investigate: The research plan
- 1.3. The dissemination of research and publication in scientific journals: the peer review process
- 1.4. The evolution of research in Accounting
2. Research on the capital market I: Information Perspective
 - 2.1. The hypothesis of market efficiency
 - 2.2. Information such as signal
 - 2.3. Studies of events
 - 2.4. Prices anticipate the results: analysis of conservatism
3. Research on the capital markets II: Valuation Perspective
 - 3.1. The Ohlson model
 - 3.2. Predicting the stock market performance
 - 3.3. Predicting fundamentals
4. Research based on the Agency Theory: The accounting and disclosure of voluntary information.



- 4.1. From the theory of the agency to that of the stakeholders
- 4.2. The informational asymmetries: The proprietary costs and the theory of the signal
- 4.3. Hypothesis of compensation, debt and shareholder schemes
- 4.4. From the theory of the political process to the influence of politicians.

2. Quantitative Research Methods

1. Data processing on empirical research in the social sciences
2. Selection of data and descriptive analysis of the sample
3. Formulation and hypothesis testing
4. Regression Analysis
5. Applications of interest in the regression models
6. Discrete choice models with binary dependent variable
7. Panel methodology

3. Seminars and Workshops

The seminars aim to analyze various approaches to cutting edge research and are taught by guest lecturers from other universities, which determine the content.

The workshops are aimed at learning tasks related to research and summarized in:

1. Research databases (SABI, AMADEUS, ORBIS, Bankscope, THOMPSON-ONE, EIKON)
2. Management of bibliographic databases (WOK, REFWORKS, ECONLIT)
3. Automated Data Processing (STATA)

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	90,00	100
Development of group work	25,00	0
Readings supplementary material	5,00	0
Preparing lectures	50,00	0
Preparation of practical classes and problem	45,00	0
Resolution of case studies	5,00	0
TOTAL	220,00	

TEACHING METHODOLOGY

MD1 - Group learning with the teacher. We use the model masterclass in lectures, offering the possibility to influence the most important of each theme, master exposure time, and present a specific way of working and dealing with different concepts. The participatory model will also be used in some theoretical issues and especially in practical classes, which is to prioritize communication between students and the teacher. The practical sessions will take the case method as a model because it



encourages student participation both individually and as a group.

MD2 - Individual study. The student is directed in learning-oriented activities, so that student activity focuses on research, location analysis, handling, processing and return of information. The preparation work for the study of the subject will focus on it.

MD3 - Tutoring. Both individually and in groups to solve problems and direct jobs. You can use the platform "Aula Virtual" of the University of Valencia to maintain contact with the teacher.

MD4 - Group work with peers. The performance of work aims also to motivate the student in the research activity, apprehension and analysis of information, foster personal relationships, share problems, initiatives and solutions to work together. You will need to submit the proposed class work.

EVALUATION

In each of the three parts indicated, the evaluation of the student's performance will take into account class attendance and participation (40%) and the elaboration (30%) and presentation (30%) of a research work to the End of the course. The evaluation activities identified are considered to be non-recoverable.

REFERENCES

Basic

- Metodología de investigación:
 - Akerlof, G.A. (1970): The market for lemons: Quality uncertainty and the market mechanism, *Quarterly Journal of Economics*, 84: 488-500
 - Kothari, S. P. (2001): Capital markets research in accounting, *Journal of - Accounting and Economics*, 31: 105-232.
 - Ryan B., R.W. Scapens and M. Theobald (2002): *Research Method & Methodology in Finance and Accounting*, Thomson, London.
 - Watts, R.L.. and J.L. Zimmerman (1986): *Positive accounting theory*, Prentice Hall International, New Jersey
- Métodos cuantitativos de investigación:
 - Anderson Sweeney and Williams (2001), *Estadística, Administración y Economía*, vol. I y II, Thomson Editores
 - Greene, W. H. (2005), *Análisis econométrico*, Prentice Hall, 3ª ed..
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 - Pindyck, R. & Rubinfeld, D. (2003), *Modelos Económicos*, Mc Graw-Hill.
 - Wooldridge, J. M. (2008), *Introducción a la Econometría*, Ed. Thompson
 - Wooldridge, J. M. (2002), *Econometric Analysis of Cross Section and Panel Data*, The MIT Press.

**Additional**

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- Ball, R. and P. Brown (1968) An empirical evaluation of accounting numbers, *Journal of Accounting Research*, 6 (2): 159-178.
- Barth, M.E., W.H. Beaver and W.L. Landsman (1998) Relative valuation roles of equity book value and net income as a function of financial health, *Journal of Accounting and Economics* 25, nº 1: 1-34.
- Basu, [1997]: The conservatism principle and the asymmetric timeliness of earnings. *Journal of Accounting and Economics* 24: 3-37
- Beyer, A. D.A. Cohen, T. Z. Lys and B.R. Walther (2010): The financial reporting environment: Review of the recent literature, *Journal of Accounting and Economics* 50: 296-343.
- Burgstahler, D. and I. Dichev (1997). Earnings management to avoid earnings decreases and losses. *Journal of Accounting and Economics*, vol. 24, pp. 99-126.
- Bushman, R. M. and Smith, A.J. (2001) Financial accounting information and corporate governance, *Journal of Accounting and Economics*, 32: 237-333.
- Collins, D.W., Maydew, E.L. and Weiss, I.S. (1997) Changes in the value-relevance of earnings and book values over the past forty years, *Journal of Accounting and Economics*, vol. 24, pp. 39-67.
- Gallen, M.L. y Giner, B (2005) La alteración del resultado para evitar pérdidas y descensos: evidencia empírica. *Revista Española de Financiación y Contabilidad* 124:141-181G.
- Hayn, C. (1995): "The Information Content of Losses". *Journal of Accounting and Economics*, 20: 125-153.
- Landsman, W. R., E.L. Maydew and J.R. Thornock (2012): The Information Content of annual earnings announcements and mandatory adoption of IFRS *Journal of Accounting and Economics* 53: 34-54.
- Leuz, C., D. Nanda and P. Wysocki (2003). Earnings management and investor protection: an international comparison. *Journal of Financial Economics*, vol. 69, pp. 505-527.
- Nichols, D.C. & Wahlen, J.M. (2004). How do earnings numbers relate to stock returns? A review of classic accounting research with updated evidence. *Accounting Horizons*, December, 263-286
- Ohlson, J. A. [1995]: Earnings, Book Values, and Dividends in Equity Valuation. *Contemporary Accounting Research*, vol. 11, nº 2: 661-687.

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

1. Contenidos



No se realizan cambios.

2. Volumen de trabajo y planificación temporal de la docencia

Los seminarios programados de profesores invitados, no se pueden impartir, y se sustituirán por material de trabajo.

3. Metodología docente

Respecto al 50% de las sesiones que no han podido hacerse de forma presencial, se sustituye por material enviado por el profesor, powerpoints locutados.

También se ha ampliado el contacto vía correo electrónico.

4. Evaluación

No se plantean cambios.

5. Bibliografía

No se plantean cambios.