

Title of course	Investment Appraisal
Responsible instructor	Prof Dr Peter Schuster
Learning objectives	 Understand investment planning and investment decision-making Identify relevant methods of investment appraisal methods assuming a perfect and an imperfect capital market
	 Compare the different investment appraisal methods particularly in regard to their underlying assumptions
	 Illustrate the application of multiple criteria methods for investment decision-making
	 Describe simultaneous decision-making models linking investment and finance decisions
	 Implement complex investment appraisal methods to real-world examples relating to simple or complex tax regulations of companies
	 Determine the optimum economic life, in different scenarios, by applying advanced investment appraisal methods
	 Demonstrate the use of investment appraisal methods at the example of investment replacement time decisions
	 Determine optimum investment timing strategies by applying investment appraisal methods
	 Solve complex decision problems of single projects under uncertainty
	 Solve complex decision problems of investment programmes under uncertainty
	 Examine and understand the corporate investment decision process and the limitations due to assumptions of various methods
	 Critically evaluate the suitability of methods currently in practical company use and develop an understanding of how decisions can be improved and how the decision can be adapted to imperfect capital market situations
Course contents	 The capital budgeting and investment decisions: Introduction Basic and advanced methods of investment appraisal Discounted cash flow methods Discounted cash flow method Net present-value method Annuity method Annuity method Internal rate-of-return method Internal rate-of-return method Compounded cash flow methods Compounded cash flow methods Compounded cash flow method Compounded cash flow method Compound value method Compound value method Section of financial implications (VoFI) method Applications of investment appraisal Income taxes and investment decisions Economic life and replacement time decisions Multi-criteria methods and investment appraisal Utility value analysis Analytic hierarchy process (AHP) Multi-attribute utility theory (MAUT)



	5. Simultaneous decision-making models
	5.1. Simultaneous investment and financing decisions
	5.2. Simultaneous investment and production decisions
	6. Methods and models that incorporate uncertainty
	6.1. Models for investment projects under uncertainty
	6.2. Models for investment programmes under uncertainty
Teaching methods	Lectures
	Exercises
	 Hermeneutic discourses
	 Maieutic discourses
	 Discussion
	 Self-study
Prerequisites	There are no formal requirements.
Suggested reading	 Götze, U., Northcott, D., Schuster, P.: Investment Appraisal. Methods and Models, 2nd Ed., Springer, 2015
	 Schuster, P.: Management Accounting & Management Control USB stick (latest version)
	 Schuster, P.: VoFI: A More Realistic Method for Investment Appraisal, in: Management Accounting Quarterly, Winter 2011, Vol. 12, No. 2, p. 24-34
	 Further references will be given during the classes.
Applicability	This course is in particular applicable to the following Master programmes: International Business and Economics (M.A.; "IBE"), Finance (M.Sc.).
	This course is also applicable to other business-oriented Master programmes offered by Schmalkalden University of Applied Sciences.
Workload	Total workload: 240 hours, of them:
	Lecture: 60
	 Self-study: 180, of them:
	 Course preparation (in particular reading): 45
	 Follow-up: 45
	 Readings and exam preparation (including mid-term): 90
ECTS credit points and weighting factor	8 ECTS credit points; weighting factor: 8/120 (IBE) or 8/90 (Finance), respectively
Basis of student evaluation	 Comprehensive written examination, 90 minutes (100%)
Time	First academic year
Frequency	Each academic year
Duration	One semester
Course type	Elective course
Remarks	Teaching language is English.