

Universitas Negeri Surabaya Faculty of Economics and Business Master of Management Study Program

Document Code

SEMESTER LEARNING PLAN Courses CODE **Course Family Credit Weight** SEMESTER Compilation Date Finance **Investment Management and** 6110103306 T=3 P=0 ECTS=6.72 2 January 1, **Capital Markets** 2021 AUTHORIZATION SP Developer **Course Cluster Coordinator** Study Program Coordinator Dr. Tony Seno Aji, S.E., M.M. Dr. Tony Seno Aji, S.E., M.M. Dr. Andre Dwijanto Witjaksono, S.T., M.Si. Learning model **Case Studies** Program PLO study program that is charged to the course Learning PLO-8 Graduates are able to master management theories in order to properly solve problems faced in organizations Outcomes (PLO) **Program Objectives (PO)** PO - 1 C6 Students are able to design investment and capital market management decisions on the national stock exchange and utilize information technology in the field of investment management and capital markets PO - 2 P5 Students are able to build strategic decisions for investment and capital markets based on analysis of national and global economic information and data A5 Students can: show the character of being devoted to God Almighty. Respect diversity, discipline, ethics, responsibility, independence, intelligence, honesty and toughness in investment management learning PO - 3 activities **PLO-PO** Matrix P.O PLO-8 PO-1 PO-2 PO-3 PO Matrix at the end of each learning stage (Sub-PO) P.O Week 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 PO-1 PO-2 PO-3 This course is a study of investment concepts through understanding stock risk and return calculation models, Markowitz model, Single Index Model (SIM), Capital Asset Pricing Model (CAPM), Arbitrage Pricing Theory (APT), fundamental and technical analysis, valuation strategies investment, and investment performance assessment. The learning methods used are lectures, brainstorming, and simulating stock risk and return calculations. Short Course Description References Main : 1. [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies,Inc. [2] Fabozzi, J. Frank. (2000). Manajemen Investasi Buku Dua . Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Analisis Investasi . Jakarta: SalembaEmpat. [4] Haugen, Robert A. (2001). Modern Investment Theory . New Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Analisis Investasi d a n Manajemen Portofolio, EdisiPertama.Yogyakarta : BPFE 2. [2] Fabozzi, J. Frank. (2000). Manajemen Investasi Buku Dua . Jakarta: Salemba Empat 3. [3] Halim, Abdul. (2005). Analisis Investasi . Jakarta: SalembaEmpat.

4. [4] Haugen, Robert A. (2001). Modern Investment Theory . New Jersey: Prentice Hall

| | Supporters: | | | | | | |
|---------|---|---|--|----------------------|--|---|--------------------------|
| Support | ting Dr. Nadia Asandir | mitra Haryono, S. | .E., M.M. | | | | |
| Week- | Final abilities of each learning stage | | aluation | Lear Studer | Ip Learning, ning methods, nt Assignments, stimated time] | Learning materials [References | Assessment Weight (%) |
| | (Sub-PO) | Indicator | Criteria & Form | Offline(offline) | Online (<i>online</i>) |] | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 1 | 1. Understand investment objectives and types of investment 2. Understand the investment process | 1.1. Defining investment 1.2. Explain investment objectives 1.3. Recognize the types of investment 2.1. Explain the basics of investment decisions 2.2. Explain the investment decision process | Criteria: holistic rubric Form of Assessment : Participatory Activities | 3 X 50 discussion | | Material: investment objectives, types of investment and investment process References: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (2000). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat. [4] Haugen, Robert A. (2001). Modern Investment Theory. New Jersey: Prentice Hall [5] Tandellin, Eduardus. (2001). Investment Analysis and Portfolio Management, First Edition. Yogyakarta: BPFE | 10% |

| 2 | 1 Understand the | 1.1 Dofining | Oultaula | | | 100/ |
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| 2 | Understand the capital market and | 1.1 Defining the capital | Criteria: holistic rubric | 2 1 50 | Material: | 10% |
| | capital market | market 1.2 | | 3 X 50 discussion | Capital | |
| | instruments 2. | Explaining | Form of | discussion | Markets | |
| | Calculate buying | the role of the | Assessment : | | References | |
| | and selling shares | capital | Participatory | | [1] Bodie, Zv | 1, |
| | as well as share | market 1.3 | Activities | | Alex Kane, & | ć |
| | price indexes | Explaining | Activities | | Alan J. | |
| | | the various classifications | | | Marcus. | |
| | | of the capital | | | (2014). | |
| | | market 1.4 | | | Investments | |
| | | Explaining | | | Tenth Edition | |
| | | the various | | | Chicago: Th | |
| | | capital | | | McGraw-Hill | |
| | | market | | | Companies, | |
| | | instruments | | | Inc. [2] | |
| | | 2.1 Calculating | | | Fabozzi, J. | |
| | | share | | | Frank. (2000 | I). |
| | | purchases | | | Investment | |
| | | 2.2 | | | Managemen | t |
| | | Calculating | | | Book Two. | |
| | | share sales | | | Jakarta: | |
| | | 2.3 | | | Salemba | |
| | | Calculating the share | | | Empat [3] | |
| | | price index | | | Halim, Abdu | Ι. |
| | | price much | | | (2005). | |
| | | | | | Investment | |
| | | | | | Analysis. | |
| | | | | | Jakarta: | |
| | | | | | Salemba | |
| | | | | | Empat. [4] | |
| | | | | | Haugen, | |
| | | | | | Robert A. | |
| | | | | | (2001). | |
| | | | | | Modern | |
| | | | | | Investment | |
| | | | | | Theory. New | / |
| | | | | | Jersey: | |
| | | | | | Prentice Hal | 1 |
| | | | | | [5] Tandelilir | |
| | | | | | Eduardus. | <i>`</i> |
| | | | | | (2001). | |
| | | | | | Investment | |
| | | | | | Analysis and | 1 |
| | | | | | Portfolio | |
| | | | | | Managemen | t |
| | | | | | First Edition. | |
| | | | | | Yogyakarta: | |
| | | | | | BPFE | |
| | | | | | BPFE | |

| 3 | 1. Understanding return and risk 2. Calculating expected return and realized return 3. Calculating individual stock risk and relative risk | 1.1. Defining return and risk 1.2. Explain the relationship between return and risk 1.3. Explain return and risk 0 various types of assets 1.4. Explain the various classifications of return and risk 2.1. Calculating expected return 2.2. Calculating realized returns 3.1. Calculating individual stock risk 3.2. Calculating relative risk | Criteria: holistic rubric Form of Assessment : Participatory Activities | 1. Make a review related to return and risk 2. Assignment to calculate and complete the expected return and realized return 3 X 50 | Material: individual returns and risks References: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (2000). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat. [4] Haugen, Robert A. (2001). Modern Investment Theory. New Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Investment Analysis and Portfolio Management, First Edition. Yogyakarta: BPFE | 10% |
|---|---|---|--|---|--|-----|

| 4 | 1. Understanding return and risk 2. Calculating expected return and realized return 3. Calculating individual stock risk and relative risk | 1.1. Defining return and risk 1.2. Explain the relationship between return and risk 1.3. Explain return and risk on various types of assets 1.4. Explain the various classifications of return and risk 2.1. Calculating realized returns 3.1. Calculating individual stock risk 3.2. Calculating relative risk | Criteria: holistic rubric Form of Assessment : Participatory Activities | 1. Make a review related to return and risk 2. Assignment to calculate and complete the expected return and realized return 3 X 50 | Material: individual returns and risks References: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (2000). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat [4] Haugen, Robert A. (2001). Modern Investment Theory. New Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Investment Analysis and Portfolio Management, First Edition. | 0% |
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| 5 | 1 Calculating | 11 | Critorio | 1 Maka a | Motorial | 004 |
|---|--|---|--|---|---|-----|
| 5 | 1. Calculating Portfolio returns 2. Portfolio risk | 1.1. Calculating portfolio realized returns 1.2. Calculating Portfolio expected return 1.3. Calculating the risk of a portfolio of two securities 1.4. Calculating the risk of a portfolio of many securities | Criteria: holistic rubric Form of Assessment : Participatory Activities | 1. Make a review related to portfolio return and portfolio risk 2. Assignment to calculate the results of portfolio return and portfolio risk 3 X 50 | Material: portfolio Bibliography: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (2000). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat. [4] Haugen, Robert A. (2001). Modern Investment Theory. New | 0% |
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| | | | | | Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Investment | |
| | | | | | Analysis and Portfolio Management, First Edition. Yogyakarta: BPFE | |

| 6 | 1. Calculating | 1.1. | Criteria: | 1. Make a | Material: | 10% |
|---|----------------------|-------------------------------|-----------------|----------------|-------------------------|------|
| | Portfolio returns 2. | Calculating | holistic rubric | review | portfolio | 20/0 |
| | Portfolio risk | portfolio | | related to | Bibliography: | |
| | | realized | Form of | portfolio | [1] Bodie, Zvi, | |
| | | returns 1.2. Calculating | Assessment : | return and | Alex Kane, & | |
| | | Portfolio | Participatory | portfolio risk | Alan J. | |
| | | expected | Activities | 2. | Marcus. | |
| | | return 1.3. | | Assignment | (2014). | |
| | | Calculating | | to calculate | Investments | |
| | | the risk of a portfolio of | | the results of | Tenth Edition. | |
| | | two securities | | portfolio | Chicago: The | |
| | | 1.4. | | return and | McGraw-Hill | |
| | | Calculating | | portfolio risk | Companies, | |
| | | the risk of a | | 3 X 50 | Inc. [2] | |
| | | portfolio of | | | Fabozzi, J. | |
| | | many securities | | | Frank. (2000). | |
| | | Securities | | | Investment | |
| | | | | | Management | |
| | | | | | Book Two. | |
| | | | | | Jakarta: | |
| | | | | | Salemba | |
| | | | | | Empat [3] | |
| | | | | | Halim, Abdul. | |
| | | | | | (2005). | |
| | | | | | Investment Analysis. | |
| | | | | | Jakarta: | |
| | | | | | Salemba | |
| | | | | | Empat. [4] | |
| | | | | | Haugen, | |
| | | | | | Robert A. | |
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| | | | | | Management, | |
| | | | | | First Edition. | |
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| efficient portfolio selection 2. Analyzing optimal portfolio selection minutes | an efficient portfolio 1.2. Analyzing Efficient Portfolio Selection 2.1. Defining the optimal portfolio 2.2. Explain and describe utility functions and indifference curves 2.3. Analyzing optimal portfolios using the Markowitz model | Criteria: holistic rubric Form of Assessment : Participatory Activities | 3 X 50 discussion | efficient and optimal portfolios References: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (2000). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat. [4] Haugen, Robert A. (2001). Modern Investment Theory. New Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Investment Analysis and Portfolio Management, First Edition. Yogyakarta: BPFE | 20% |
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| | | | 3 X 50 discussion | | |

| 9 | 1. Understand the | 1.1. Define | Criteria: | | Material: | 10% |
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| | concept of share | various forms | holistic rubric | 3 X 50 | stock value | |
| | value 2. Calculate | of share | | discussion | References: | |
| | share value using | value 1.2. | Form of | | [1] Bodie, Zvi, | |
| | the traditional approach 3. | Explain various | Assessment : | | Alex Kane, & | |
| | Calculate share | approaches | Participatory | | Alan J. | |
| | value using other | to stock | Activities | | Marcus. | |
| | approaches | valuation 2.1. | | | (2014). | |
| | | Calculating | | | Investments | |
| | | share value | | | Tenth Edition. | |
| | | using the PER 2.2 | | | Chicago: The | |
| | | approach. | | | McGraw-Hill | |
| | | Calculating | | | Companies, | |
| | | the value of | | | Inc. [2] | |
| | | shares using | | | Fabozzi, J. | |
| | | the present | | | Frank. (2000). | |
| | | value | | | Investment | |
| | | approach 1.1. Calculate | | | Management | |
| | | share value | | | Book Two. | |
| | | using the | | | Jakarta: | |
| | | market | | | Salemba | |
| | | price/book | | | Empat [3] | |
| | | value ratio of 1.2. Calculate | | | Halim, Abdul. | |
| | | share value | | | (2005). | |
| | | using a share | | | Investment | |
| | | price/cash | | | Analysis. | |
| | | flow ratio of | | | Jakarta: | |
| | | 1.3. | | | Salemba | |
| | | Calculating share value | | | Empat. [4] | |
| | | using EVA | | | Haugen, | |
| | | | | | Robert A. | |
| | | | | | (2001). | |
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| | | | | | [5] Tandelilin, | |
| | | | | | Eduardus. | |
| | | | | | (2001). | |
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| 10 | 1. Understand the | 1.1. Define | Criteria: | | Material: | 10% |
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| | concept of share | various forms | holistic rubric | 3 X 50 | stock value | 10/0 |
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| | share value using | value 1.2. | Form of | 0.500551011 | [1] Bodie, Zvi, | |
| | the traditional | Explain | Assessment : | | Alex Kane, & | |
| | approach 3. Calculate share | various approaches | Participatory | | Alan J. | |
| | value using other | to stock | Activities | | Marcus. | |
| | approaches | valuation 2.1. | | | (2014). | |
| | | Calculating | | | Investments | |
| | | share value | | | Tenth Edition. | |
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| | | approach. Calculating | | | Companies, | |
| | | the value of | | | Inc. [2] | |
| | | shares using | | | Fabozzi, J. | |
| | | the present | | | Frank. (2000). | |
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| | | approach 1.1. | | | Management | |
| | | Calculate share value | | | Book Two. | |
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| | | 1.2. Calculate | | | (2005). | |
| | | share value | | | Investment | |
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| 11 | 1. Calculating compound value (compoundvalue) 2. Calculating present value (presentvalue) | 1.1. Calculating compound annual value 1.2. Calculating compound values several times a year 1.3. Calculating the compound value of an annuity 2.1. Calculate the present value for the same receipts each year 2.2. Calculating the present value for different receipts each year 2.3. Calculate the present value of an annuity | Criteria: holistic rubric Form of Assessment : Participatory Activities | 1. Make a review related to demand forecasting and demand management in the supply chain, influencing factors and management of demand and supply 2. Assignment to find a solution to the case of implementing an aggregate plan in the 3 X 50 supply chain | Material: present value and future value References: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (2000). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat. [4] Haugen, Robert A. (2001). Modern Investment Theory. New Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Investment Analysis and Portfolio Management, First Edition. Yogyakarta: BPFE | 10% |

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| 12 | 1. Calculating compound value (compoundvalue) 2. Calculating present value (presentvalue) | 1.1. Calculating compound annual value 1.2. Calculating compound values several times a year 1.3. Calculating the compound value of an annuity 2.1. Calculate the present value for the same receipts each year 2.2. Calculating the present value for different receipts each year 2.3. Calculate the present value of an annuity | Criteria: holistic rubric Form of Assessment : Participatory Activities | 1. Make a review related to demand forecasting and demand management in the supply chain, influencing factors and management of demand and supply 2. Assignment to find a solution to the case of implementing an aggregate plan in the 3 X 50 supply chain | | Material: present value and future value References: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Investment McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (2000). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat. [4] Haugen, Robert A. (2001). Modern Investment Theory. New Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Investment Analysis and Portfolio Management, First Edition. Yogyakarta: BPFE | 10% |

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| 13 | Calculate the amount of cash | 1.1. Explain the types of | Criteria: | | | erial: cash | 0% |
| | flow and initial | investment | holistic rubric | 3 X 50 | | and initial | |
| | project investment | projects | | discussion | proje | | |
| | project intestinent | based on | Form of | | | estment | |
| | | their nature | Assessment | | | erences: | |
| | | 1.2. | Participatory | | | Bodie, Zvi, | |
| | | Calculating | Activities | | | x Kane, & | |
| | | investment | | | Alar | 1 J. | |
| | | project cash | | | Man | | |
| | | flows 1.3. Calculate the | | | (201 | 14). | |
| | | initial | | | Inve | estments | |
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| | | value of the | | | Chic | cago: The | |
| | | project | | | McG | Graw-Hill | |
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| proposals C arious th ment P Is p S V V V P V V P P C C C R R R R R P I T P P V V V V V V V V V V V V V V V V V | I.1. Calculating he Payback Period of a proposed nvestment project 1.2. Calculating he Net Present Value of a proposed nvestment project 1.3. Calculating he Internal Rate of Return of a proposed nvestment project 1.4. Calculating he Profitability ndex of proposed nvestment projects | Criteria: holistic rubric Form of Assessment : Participatory Activities | 1. Make a review related to demand forecasting and demand management in the supply chain, influencing factors and management of demand and supply 2. Assignment to find a solution to the case of implementing an aggregate plan in the 3 X 50 supply chain | Material: Proposed investment projects using various assessment methods. References: [1] Bodie, Zvi, Alex Kane, & Alan J. Marcus. (2014). Investments Tenth Edition. Chicago: The McGraw-Hill Companies, Inc. [2] Fabozzi, J. Frank. (200). Investment Management Book Two. Jakarta: Salemba Empat [3] Halim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat [4] Haim, Abdul. (2005). Investment Analysis. Jakarta: Salemba Empat [4] Haugen, Robert A. (2001). Modern Investment Theory. New Jersey: Prentice Hall [5] Tandelilin, Eduardus. (2001). Investment Analysis and Portfolio Management, First Edition. Yogyakarta: | 5% |

Evaluation Percentage Recap: Case Study

| No | Evaluation | Percentage | |
|----|--------------------------|------------|--|
| 1. | Participatory Activities | 100% | |
| | | 100% | |

Notes

- Learning Outcomes of Study Program Graduates (PLO Study Program) are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- 2. The PLO imposed on courses are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- 3. **Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- 4. **Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- 5. **Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- 6. Assessment Criteria are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- 7. Forms of assessment: test and non-test.

- 8. Forms of learning: Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- 9. Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent . methods.
- 10. Learning materials are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- 11. The assessment weight is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
 TM=Face to face, PT=Structured assignments, BM=Independent study.