

Environmental and Sustainability Accounting & Business

Trading Simulation

Certified Environmental and Sustainability Analyst Syllabus:

Certified Environmental and Sustainability Analysts will help organizations meet their environmental and sustainability goals. They will structure ambiguous problems and take action to develop and implement tailored sustainability requirements. This may include creating and implementing environmental and sustainability programs that suit specific organizational needs and making recommendations for follow-up action.

The Certified Environmental and Sustainability Analyst (CESA) role is ideal for those who:

- Support the delivery of best practice client environmental performance reports (e.g., carbon footprint, energy consumption, waste generation, and recycling performance) to support an organization's legal and voluntary reporting obligations.
- Source and update all sustainability and cost data.
- Undertake the validation and correction of environmental and sustainability data.
- Work as an integrated, informed, effective, and positive member of a team that will enable the organization to meet its environmental and sustainability goals.

Certified Environmental and Sustainability Analyst Course Outline:

1. ***Sustainability Fundamentals: Air, Water and Food***
 - Life-Cycle Costing
2. ***Environmental and Social Management Accounting***
 - Environment, Social & Governance (ESG)
 - Environmental & Sustainability (ES) Reporting
 - The Steps in Establishing an ES Report
 - Examples of ES "Best Practices"
 - ES Reporting Guidelines
3. ***Climate Change and Carbon Emissions Reporting***
 - Carbon Emissions Trading (Cap-and-Trade system)
 - Carbon Cost Analysis
4. ***Current Status of Sustainability and Accountability Reporting***
 - The Global Reporting Initiative (GRI)
 - Integrated Reporting [IR]
5. ***Valuing the Existential Cost of the Plastic Pandemic***
 - International Sustainability Standards Board (ISSB)
 - The 5-Star Reporting Index
 - Emerging Issues in ES Reporting
 - Sustainable Value Creation (SVC) Scorecards
 - Plastic: From Hero to Villain
 - Green vs. Clean
 - Plastics' Deadly Legacy
6. ***How Accounting and Finance Professionals can Help with Climate Action***
 - The Evolution of Environmental & Sustainability Reporting
 - Conventional vs. Environmental Management Accounting
 - The Problem of Allocation of Overheads
 - Some Practical Solutions
 - A Case Example of EMA
7. ***Case Study in Environmental & Sustainability Reporting***

MonsoonSIM Syllabus:

MonsoonSIM is a business simulation trading games that has a comprehensive learning tool to bridge the gap between business and accounting theory with practices.

- **Gamified Learning:** We integrate elements of gamification like simulated scenarios, key objectives, and fast feedback to make learning engaging and fun. Our platform has been recognized for its innovative approach, winning several awards for its effectiveness in business education.
- **Progress Tracking:** Educators can track students' progress and performance, allowing for personalized feedback and improvement. Our advanced analytics provide insights into individual and team performance.
- **Wide Range of Business Areas:** From marketing and finance to supply chain management and entrepreneurship, our simulations cover a broad spectrum of business disciplines. We offer hundreds of fundamental business concepts applicable to any trading, distribution, eCommerce, manufacturing, and service business.
- **Real-World Scenarios:** Our simulations mirror real-world business challenges, preparing learners for the complexities of the business world. Our platform is used by leading universities and corporations for training and development.

Program Schedule:

1. Meeting 1: Certified Environmental Sustainability 1

Lecturer in Charge: Assoc. Prof. Saarce Elsy Hatane., S.E., MBA., Ak., CMA. CESA.

Meeting Topic:

- Sustainability Fundamentals: Air, Water and Food
- Life-Cycle Costing
- Environmental and Social Management Accounting
- Environment, Social & Governance (ESG)
- Environmental & Sustainability (ES) Reporting

2. Meeting 2: Certified Environmental Sustainability 2

Lecturer in Charge: Assoc. Prof. Saarce Elsy Hatane., S.E., MBA., Ak., CMA. CESA.

Meeting Topic:

- The Steps in Establishing an ES Report
- Examples of ES “Best Practices”
- ES Reporting Guidelines
- Climate Change and Carbon Emissions Reporting
- Carbon Emissions Trading (Cap-and-Trade system)
- Carbon Cost Analysis

3. Meeting 3: Certified Environmental Sustainability 3

Lecturer in Charge: Assoc. Prof. Saarce Elsy Hatane., S.E., MBA., Ak., CMA. CESA.

Meeting Topic:

- Current Status of Sustainability and Accountability Reporting
- The Global Reporting Initiative (GRI)
- Integrated Reporting [IR]
- International Sustainability Standards Board (ISSB)
- The 5-Star Reporting Index
- Emerging Issues in ES Reporting
- Sustainable Value Creation (SVC) Scorecards

4. Meeting 4: Certified Environmental Sustainability 4

Lecturer in Charge: Assoc. Prof. Saarce Elsy Hatane., S.E., MBA., Ak., CMA. CESA.

Meeting Topic:

- Valuing the Existential Cost of the Plastic Pandemic
- Plastic: From Hero to Villain
- Green vs. Clean
- Plastics’ Deadly Legacy

5. Meeting 5: Certified Environmental Sustainability 5

Lecturer in Charge: Assoc. Prof. Saarce Elsy Hatane., S.E., MBA., Ak., CMA. CESA.

Meeting Topic:

- How Accounting and Finance Professionals can Help with Climate Action

- The Evolution of Environmental & Sustainability Reporting
- Conventional vs. Environmental Management Accounting
- The Problem of Allocation of Overheads
- Some Practical Solutions
- A Case Example of EMA

6. Meeting 6: MonsoonSIM 1

Lecturer in Charge: Alan Darmasaputra., S.E., MPAcc., MBus., CMA., CESA.

Meeting Topic:

- Understanding Accounting & Finance in MonsoonSIM
- Procurement Strategies: Managing suppliers and inventory
- Retail & Marketing: Sales strategies and customer engagement
- Forecasting: Predicting demand and financial performance
- Activity: Running a small-scale business simulation with financial planning

7. Meeting 7: MonsoonSIM 2

Lecturer in Charge: Alan Darmasaputra., S.E., MPAcc., MBus., CMA., CESA.

Meeting Topic:

- Logistics & Supply Chain: Managing warehouse, delivery, and transportation
- Business-to-Business (B2B) Operations: Supplier-customer interactions
- Production Module: Manufacturing processes and efficiency
- Activity: Simulating a manufacturing company and optimizing logistics

8. Meeting 8: MonsoonSIM 3

Lecturer in Charge: Alan Darmasaputra., S.E., MPAcc., MBus., CMA., CESA.

Meeting Topic:

- Logistics & Supply Chain: Managing warehouse, delivery, and transportation
- Business-to-Business (B2B) Operations: Supplier-customer interactions
- Production Module: Manufacturing processes and efficiency
- Activity: Simulating a manufacturing company and optimizing logistics

9. Meeting 9: MonsoonSIM 4

Lecturer in Charge: Alan Darmasaputra., S.E., MPAcc., MBus., CMA., CESA.

Meeting Topic:

- Logistics & Supply Chain: Managing warehouse, delivery, and transportation
- Business-to-Business (B2B) Operations: Supplier-customer interactions
- Production Module: Manufacturing processes and efficiency
- Activity: Simulating a manufacturing company and optimizing logistics

10. Meeting 10: MonsoonSIM 5

Lecturer in Charge: Alan Darmasaputra., S.E., MPAcc., MBus., CMA., CESA.

Meeting Topic:

Students will be doing a full simulation with all the available modules. Students will be competing against each other team to be able to achieve the highest Key Performance Indicator Matrix.

11. Meeting 11: MonsoonSIM Final Project

Lecturer in Charge: Alan Darmasaputra., S.E., MPAcc., MBus., CMA., CESA.

Meeting Topic:

MonsoonSIM Final Project runs for 2 sessions. After the first session ends, students will have a 20-minute break to have a strategy discussion to tackle the second simulation session. The KPI for the first and the second simulation will be the same. There will be 10 KPIs that will need to be achieved by the teams to get the highest scoring matrix. KPIs will be given during the day of the simulation.

12. Meeting 12: Certified Environmental Sustainability Final Project

Lecturer in Charge: Assoc. Prof. Saarce Elsy Hatane., S.E., MBA., Ak., CMA. CESA.

Meeting Topic:

Students will be doing the CESA Final Project Examination from the Academy of Finance and Management Australia (AFMA). This is a certified final project for the students to pass the CESA Certification Program.