EXCHANGE COURSES UNIVERSITY WEST AUTUMN SEMESTER 2024 School of Business, Economics and IT Study period 1 Study period 2 Course Code Course Name APR400 Advanced C# programming SUMZ00 System Development for Mobile Applications II Credits Study Pace Week 41 42 Evaluation of IT systems Evaluation of II systems Immersive media Applied Statistics - collecting and summarizing data Entrepreneurial Finance Investment Analysis and Portfolio Management International Economics Finance and Politics Sustainable Finance Glocal Challenges and Applied Approaches to Sustainable Developr Glocal Challenges and Applied Approaches to Si Introduction to Political Thought Security Studies International Law and Organizations Work Integrated Societal Studies Comparative Politics and Public Administration TPL100 Comparative Politics and Public Administration Financial Reporting and Analysis JPO100 FIR100 Corporate Finance and Equity Valuation Fixed Income Fundamentals and Derivatives Portfolio Management and Alternative Investment 7,5 7,5 7,5 7,5 100 100 100 PAI600 International Management FIN500 Firm internationalization 7,5 IMD900 International marketing 1ESTER 2024 **Department of Social and Behavioural Studies** Study period 2 Course Code Course Nam POK101 Intercultural Credits Study Pace Week English (level 1-30): Literature and Culture English (level 1-30): Language Awareness and Language Proficiency English (level 31-60): Literary history and Intertextuality ENL110 ENS110 ENS210 English (level 31-60): Language Structure and Language Variation SKK102 Language, Culture and Communication in Sweden 15,00 **AUTUMN SEMESTER 2024 Department of Engineering Science** Course Code Course Name IDI400 Industrial digitalization K0005010 Strength of materials Credits Study Pace Week --> 35 36 37 38 39 40 41 42 43 Strength of materials Manufacturing I Electronics, fundamental Introduction to programming with Python Quality and environmental management Logic Control Engineering Sensor Technology Metallurgy Introduction to Electric Vehicle Systems and Components Robotics & Automation Finite element method: Mathematical formulation and applications Mathematical Statistics Logistic TVB100 Robotics and Automation Computer Aided Manufacturing, CAM Virtual production Frontiers modeling and assemblies Computer Aneu Amantacturing, Cow Virtual production Freeform modeling and assemblies Advanced Topics in Computer Engineering Virtual servers and storage systems Computer engineering in practice Server administration Advanced Topics in Computer Engineering Software Engineering Network technology for 10T and industrial communication Introduction to Electric Vehicles Systems and Components Basics of Electrical Engineering for electric vehicles Guidelines for safety when working on and in electric vehicles Electromagnetic compatibility Electric Machines for electric vehicles Power Electronics Power Electronics Robot Modelling Robot Modelling Mechatronics for Automation Programming for Automation Robot Certificate Scientific methods in robotics and automation Robotic Systems Robotic Simulation Digital Factories Manufacturing optimisation Robot Modelling MFA600 PFA600 RBK600 VTM605 RBS720 RSM700 3,5 4 1,5 Robot Modelling Introduction to Artificial Intelligence and Machine Learning Robot Certificate Scientific methods in robotics and automation Robotics RBS720 Robotic Systems Mechatronics for automation Introduction to Artificial Intelligence and Machine Learning MFA600 (1st year) Sustainable Automation Human-Al Interaction Feedback Control (advanced course) Advanced Materials Science Additive Manufacturing Processes Academic Writing Machining Surface Engineering Statistical process control and Design Automation (2nd year) Statistical process control and Design of experiments Process Simulation and Modeling Manuf. engin (2nd year) Process simulation and Modeling Advanced Materials Science Conventional Welding Processes Academic Writing Phase Transformations in Metals and Alloys Advanced Welding Processes ASP700 Welding Metallurgy of Iron-based Alloys Cyber-physical Systems Security Principles of cybersecurity Privacy, law, policy, and compliance in cybersecurity Cloud security Operations and Supply Chain Management Supply Chain Management - Sourcing and Distribution Operations Strategy and Execution Requirements Engineering nequirements Engineering Introduction to Artificial Intelligence and Machine Learning Algorithms and Complexity Software Analysis and Design