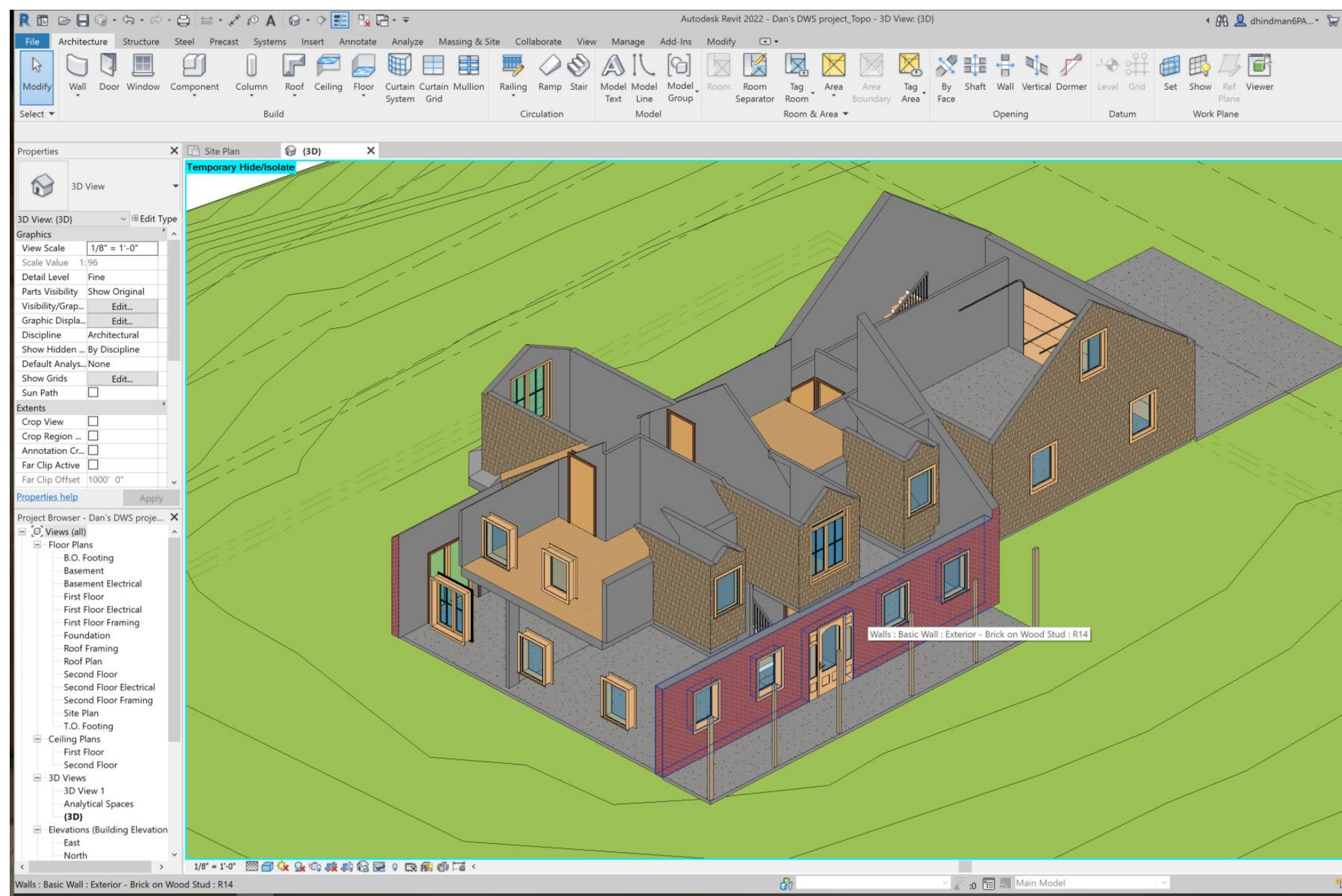


Department of Sustainable Biomaterials

~ New 2021-2022 Classes ~



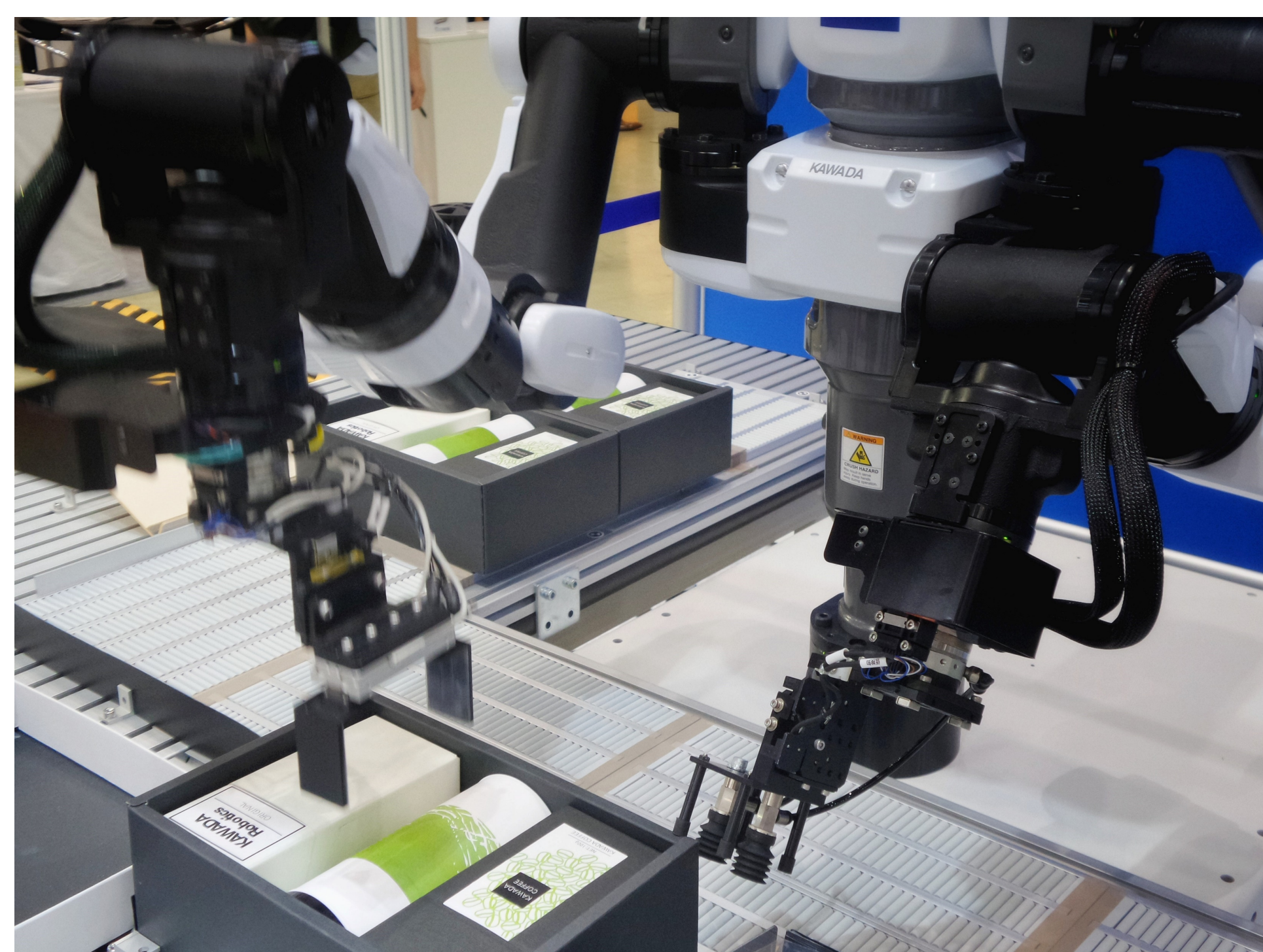
SBIO 2314 – Building Information Modeling for Wood Based Construction, Spring 2022

Learn sustainable construction by using Building Information Modeling (BIM) which combines CAD design, detailing, scheduling, costing, and material information. Create projects with BIM and receive input from industry professionals.



SBIO 4984 – Parametric Design for Computer-Aided Manufacturing, Spring 2022

Engage with the capabilities of emerging manufacturing technologies and use computer-aided manufacturing to design and create products. Discover new ways to design and manufacture products that help reduce environmental impact.



SBIO 2314 Building Information Modeling for Wood Based Construction

SBIO 2504 Circular Economy Analytics

SBIO 1114 A Sustainable Future through a Circular Economy

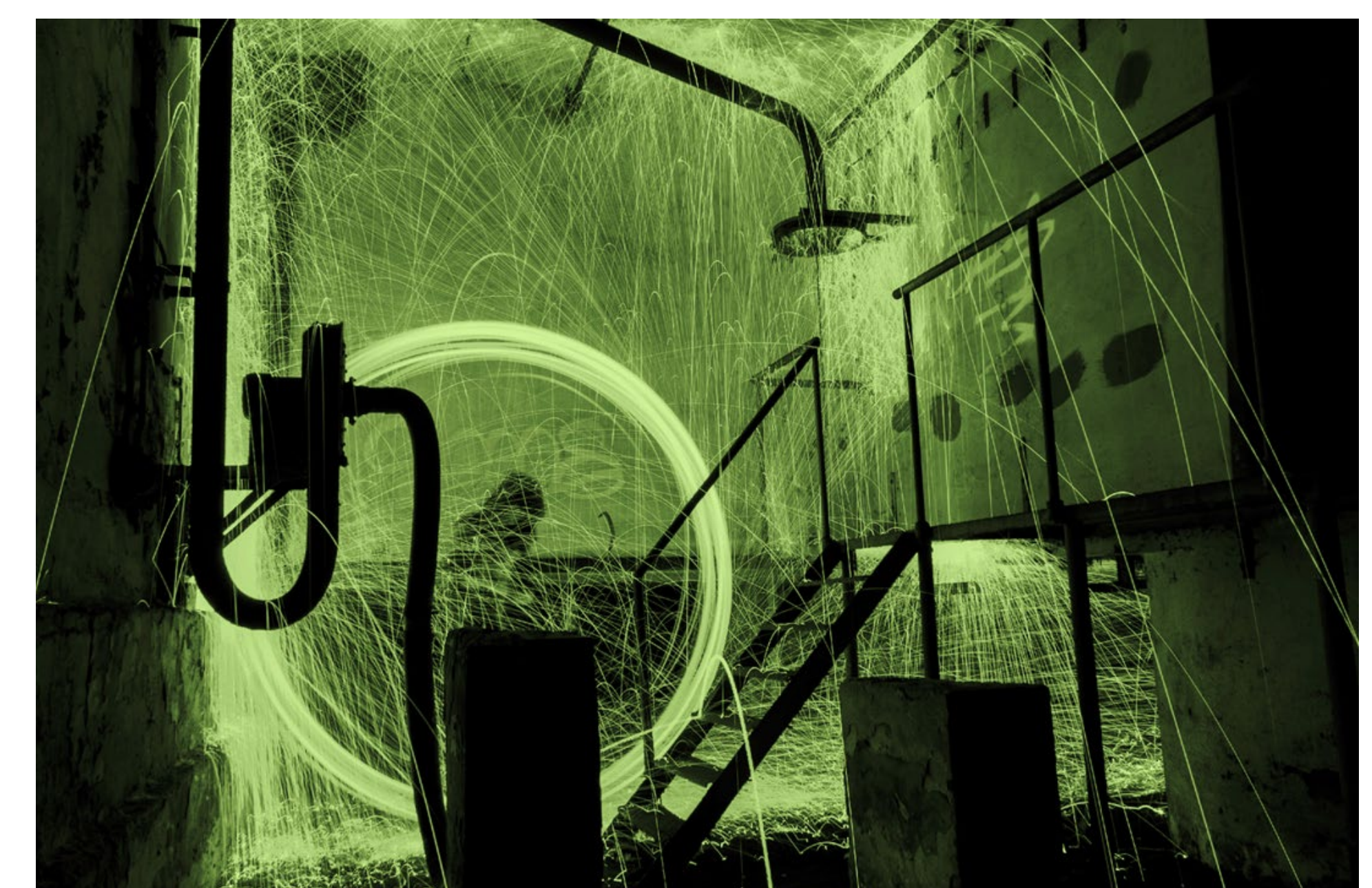
SBIO 4984 Parametric Design for Computer Aided Manufacturing

SBIO 5984 Special Study in Industrial Ecology



SBIO 1114 – A Sustainable Future through Circular Economy, Spring 2022

Explore circular economy strategies being implemented worldwide, as part of a collective effort by industry, government, and society to achieve a sustainable future. Learn to apply methods and tools for circular product and business model designs and for systems-thinking.



SBIO 2504 – Circular Economy Analytics (Pathways 5A), Fall 2021

Employ systems-thinking to show how circular systems can be used to meet society's demands, determine how to transition to a more sustainable consumption-production system, and use quantitative and computational methods to assess the environmental impacts of products.



SBIO 5984 (Graduate) – Special Study in Industrial Ecology, Spring 2022

Delve into industrial ecology, an essential field for the study of sustainability and circular economy. Analyze the flow of materials and resources within consumption-production systems. Apply industrial ecology methods [e.g., life-cycle assessment (LCA), material flow analysis (MFA), and cumulative energy demand (CED)] to your own research.



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