Design Build - DBLD

Courses

DBLD 5620 DESIGN CONSTRUCTION STUDIO (6) LEC. 6. Pr. ARCH 4020. Second of three-studio progression. Skills associated with formation and schematic design phases of architectural project, with emphasis on rigorous design research methods, program development, and interdisciplinary team collaboration. Project initiated in 5620/6620 continues in subsequent semester.

DBLD 5640 SUSTAINABILITY FOR INTEGRATED PROJECT DELIVERY (3) LEC. 3. Departmental approval. Principles, terminology, and methods of sustainable design and construction, with emphasis on role of interdisciplinary design collaboration.

DBLD 6620 DESIGN CONSTRUCTION STUDIO (6) LEC. 6. Pr. DBLD 6610. Second of three-studio progression. Skills associated with formation and schematic design phases of architectural project, with emphasis on rigorous design research methods, program development, and interdisciplinary team collaboration. Project initiated in 5620/6620 continues in subsequent semester.

DBLD 6640 SUSTAINABILITY FOR INTEGRATED PROJECT DELIVERY (3) LEC. 3. Departmental approval. Principles, terminology, and methods of sustainable design and construction, with emphasis on role of interdisciplinary design collaboration.

DBLD 7020 INTEGRATED BUILDING PROCESSES I (3) LEC. 3. Departmental approval. Project manifestation and development preceding design and construction phases with emphasis on the project owner's perspective, the financial parameters, and the speculative demand driving project viability.

DBLD 7030 CONSTRUCTION INFORMATION MANAGEMENT (3) LEC. 3. Applications of advanced information technology in construction.

DBLD 7040 INTEGRATED BUILDING PROCESSES II (3) LEC. 3. Departmental approval. Construction project delivery, from pre-construction service through ownership. Topics include project management, pre-construction services, pre-planning, procurement, site utilization, subcontracting, commissioning, closeout, building operation, and long-term ownership.

DBLD 7550 COLLABOR PROCESS DES CONSTRU (3) LEC. 3. Current integrated delivery models and decision-making strategies related to interface of design and construction disciplines from professional, contractual, and technological perspectives. Emphasis on risk quantification between parties involved in integrated delivery.

DBLD 7551 COLLABORATIVE PRACTICE LAB (1) LAB. 4. Pr. DBLD 6620. Coreq., DBLD 6620 (students in design track). Problem-solving exercises related to effective pre-construction practices employed by design and construction professionals.

DBLD 7630 DESIGN CONSTRUCTION SUMMARY COMPREHENSIVE STUDIO (7) LEC. 7. Pr. DBLD 6620 or (DBLD 7550 or DBLD 7551) or (BSCI 7550 or BSCI 7556). Third of three-studio progression. Development of design and construction for architectural project in interdisciplinary teams, including analysis of constructability, projected construction cost, and scheduling.

DBLD 7650 EXECUTIVE ISSUES (3) LAB. Individually proposed problems or projects related to the construction industry. Students must prepare a written proposal with defined deliverables.

DBLD 7950 GRADUATE SEMINAR (1) SEM. 1. Departmental approval. Project manifestation and development preceding design and construction phases with emphasis on the project owner's perspective, the financial parameters, and the speculative demand driving project viability. Course may be repeated for a maximum of 3 credit hours.