Pohon Mata Kuliah - Kurikulum 2024

Program Studi Sistem Informasi | Jurusan Teknik Informatika | Fakultas Teknik dan Kejuruan | Universitas Pendidikan Ganesha

Semester I — 19
Total SKS: **19 SKS**

- **Bahasa Inggris** — English — SIFS124101 — 2 SKS
- **Pendidikan Pancasila** — Pancasila — SIFS124102 — 2 SKS
- **Matematika Teknik** — Engineering Mathematics — SIFS124103 — 3 SKS
- **Sistem Digital** — Digital System — SIFS124104 — 3 SKS
- **Pemrograman Dasar** — Fundamental Programming — SIFS124105 — 3 SKS
- **Sistem Operasi** — Operating System — SIFS124106 — 3 SKS
- **Statistik dan Probabilitas** — Statistics and Probability — SIFS124107 — 3 SKS

Semester 2 — 19
Total SKS: **19 SKS**

- **Pendidikan Agama** — Religion Education — SIFS124201 – SIFS124206 — 2 SKS
- **Bahasa Indonesia** — Bahasa Indonesia — SIFS124207 — 2 SKS
- **Matematika Diskrit** — Discrete Mathematics — SIFS124208 — 3 SKS
- **Jaringan Komputer** — Computer Network — SIFS124209 — 3 SKS
- **Algoritma dan Struktur Data** — Algorithms and Data Structures — SIFS124210 — 3 SKS
- **Rekayasa Perangkat Lunak** — Software Engineering — SIFS124211 — 3 SKS
- **Perancangan Basis Data** — Database Design — SIFS124212 — 3 SKS

Semester 3 — 20
Total SKS: **20 SKS**

- **Kewarganegaraan** — Civics — SIFS124301 — 2 SKS
- **Manajemen Basis Data** — Database Management — SIFS124302 — 3 SKS
- **Pemrograman Berorientasi Objek** — Object Oriented Programming — SIFS124303 — 3 SKS
- **User Experience Design** — SIFS124304 — 3 SKS
- **Pemrograman Web** — Web Based Programming — SIFS124305 — 3 SKS
- **Jaringan Enterprise** — Enterprise Network — SIFS124306 — 3 SKS
- **Sistem Informasi Enterprise** — Enterprise Information System — SIFS124307 — 3 SKS

Semester 4 — 20
Total SKS: **20 SKS**

- **Tri Hita Karana** — SIFS124401 — 2 SKS
- **Green Information System** — SIFS124402 — 3 SKS
- **Pemrograman Mobile** — Mobile Programming — SIFS124403 — 3 SKS
- **Manajemen Proses Bisnis** — Business Process Management — SIFS124404 — 3 SKS
- **Pemrograman Web Berbasis Framework** — Framework Based Web Programming — SIFS124405 — 3 SKS
- **Manajemen Investasi SI/TI** — IS/IT Investment Management — SIFS124406 — 3 SKS
- **Keamanan Sistem Informasi** — Information System Security — SIFS124407 — 3 SKS

Semester 5 — 21
Total SKS: **21 SKS**

- **Lintas Prodi I** (Cross Program Course I) — Non Eligible: 1. Literasi Data, 2. Literasi Teknologi, 3. Design Thinking, 4. Computational Thinking — 3 SKS
- **Lintas Prodi II** (Cross Program Course II) — Non Eligible: 1. Literasi Data, 2. Literasi Teknologi, 3. Design Thinking, 4. Computational Thinking — 3 SKS
- **Lintas Prodi III** (Cross Program Course III) — Non Eligible: 1. Literasi Data, 2. Literasi Teknologi, 3. Design Thinking, 4. Computational Thinking — 3 SKS
- **Lintas Prodi IV** (Cross Program Course IV) — Non Eligible: 1. Literasi Data, 2. Literasi Teknologi, 3. Design Thinking, 4. Computational Thinking — 3 SKS
- **Design Thinking** (Non Eligible) — SIFS124501 — 3 SKS
- **Tata Kelola & Audit TI** — *IT Governance and Auditing* — SIFS124502 — 3 SKS
- **Manajemen Layanan TI** — *IT Service Management* — SIFS124503 — 3 SKS
- **Digital Innovation and Entrepreneurship** — SIFS124405 — 3 SKS

Semester 6 — 20
Total SKS: **20 SKS**

- **Metode Penelitian SI** — *IS Research Methods* — SIFS124601 — 3 SKS
- **Seminar Proposal** — *Proposal Thesis* — SIFS124602 — 3 SKS
- **Testing & Implementasi SI** — *IS Testing and Implementation* — SIFS124603 — 3 SKS
- **Data Mining** — SIFS124604 — 3 SKS
- **Manajemen Proyek TI** — *IT Project Management* — SIFS124605 — 3 SKS

Konsentrasi - Manajemen Sistem Informasi
Concentration: Information System Management

- **Arsitektur Enterprise** — *Enterprise Architecture* — SIFS124606 — 3 SKS
- **Perencanaan Strategik SI/TI** — *IS/IT Strategic Planning* — SIFS124607 — 3 SKS

Konsentrasi - Rekayasa Intelegensia Bisnis
Concentration: Business Intelligence Engineering

- **Sistem Pendukung Keputusan** — *Decision Support System* — SIFS124608 — 3 SKS
- **Business Intelligence** — SIFS124609 — 3 SKS

Konsentrasi - Keamanan Siber
Concentration: Cyber Security

- **Standar Keamanan Sistem Informasi** — *Information System Security Standards* — SIFS124610 — 3 SKS
- **Security Operation Center** — SIFS124611 — 3 SKS

Semester 7 — 20
Total SKS: **20 SKS**

- **Magang** — *Internship* — SIFS124701 — 20 SKS
- **Kuliah Kerja Nyata (KKN)*** — *Community Service Program* — SIFS124702 — 3 SKS

Semester 8 — 10
Total SKS: **10 SKS**

- **Seminar Hasil Penelitian** — *Research Results Seminar* — SIFS124801 — 4 SKS
- **Ujian Skripsi** — *Thesis* — SIFS124802 — 4 SKS
- **Etika Bisnis dan Profesi SI** — *IS Business and Profession Ethics* — SIFS124803 — 2 SKS

Keterangan

1. Mata kuliah lintas prodi yang **tidak boleh diambil** meliputi: *Literasi Data, Literasi Teknologi, Design Thinking, dan Computational Thinking*
2. Design Thinking adalah mata kuliah lintas prodi yang dititipkan di Program Studi Sistem Informasi
3. **KKN menjadi mata kuliah pilihan** dan menjadi kredit ekstra dari total kredit
4. Pilihan mata kuliah agama: Agama Hindu, Agama Islam, Agama Kristen Protestan, Agama Kristen Katolik, Agama Buddha, Agama Konghucu

- Mata Kuliah Wajib Umum (MKWU)
- Mata Kuliah Keilmuan Inti (MKKI)
- Konsentrasi Manajemen Sistem Informasi
- Konsentrasi Keamanan Siber
- Mata Kuliah Tahap Persiapan Bersama (TPB)
- Mata Kuliah Iptek Pendukung (MKIP)
- Mata Kuliah Lintas Prodi
- Konsentrasi Rekayasa Intelegensia Bisnis