

INDIAN INSTITUTE OF TECHNOLOGY INDORE

Coding Scheme for PG and PhD Courses

(Agreed after discussion with HOS and in the presence of the Faculty Members of the concerned Discipline with DOAA in the meeting held on **28/12/2010**)

General Guidelines

1. Each PG course will have 5-6 digit alpha-numeric code i.e. XXX yyy, in which XXX stands for **discipline code** while yyy is the **course code**
2. Following are the **discipline codes**

School of Engineering		School of HSS		School of Sciences		Inter-disciplinary	
Discipline	Code	Discipline	Code	Discipline	Code	Name	Code
Computer Science and Engineering	CS	Philosophy	HS	Chemistry	CH	Biosciences and Biomedical Engineering	BSE
Electrical Engineering	EE	English & Languages		Mathematics	MA	Materials Science and Engineering	MSE
Mechanical Engineering	ME	Economics		Physics	PH	Astronomy and Astrophysics	PH 670/770
		Psychology				the courses related to it	to PH 679/779
		Sociology					

3. The **first digit** of PG course code will be **6 for the 1st level/year PG course** which are generally of more of introductory or fundamental in nature, and **7 for the 2nd level/year PG course** or Elective course which are generally of more advanced type.
4. The **Second digit** of the PG course code indicates the area of specialization (discipline for HSS) within a particular Discipline. The **Third digit** will indicate course number. Proposed ranges of the PG courses for different disciplines are mentioned in the following tables.
5. Course code for **M.Tech. Thesis /M.Phil Thesis/M.Sc. thesis** will be **XX 799**.
6. Course code for **PhD thesis** will be **XX 899**.
7. Course code for **M.Tech./M.Phil/M.Sc. Seminar** course will be **XX 697** for Autumn Semester and **XX 698** for the Spring semester.
8. Course code for **PhD Seminar Course** will be **XX 797** for Autumn Semester and **XX 798** for the Spring semester.

School of Engineering: Coding Scheme for the PG and PhD Courses

2. Electrical Engineering

Sr. No.	Specialization	Range of Course Codes	
		1 st level PG/PhD Courses	2 nd level PG/PhD Courses
1.	Power Systems	EE 600 to EE 619	EE 700 to EE 719
2.	Microelectronics and VLSI/ULSI	EE 620 to EE 639	EE 720 to EE 739
3.	Communication and Signal Processing	EE 640 to EE 659	EE 740 to EE 759
4.	Electromagnetic Waves	EE 660 to EE 679	EE 760 to EE 779
5.	Instrumentation and Control Engineering	EE 680 to EE 696	EE 780 to EE 796

3. Mechanical Engineering

Sr. No.	Specialization	Range of Course Codes	
		1 st level PG/PhD Courses	2 nd level PG/PhD Courses
1.	Thermal Engineering	ME 600 to EE 629	ME 700 to EE 729
2.	Design Engineering	ME 630 to EE 659	ME 730 to EE 759
3.	Production Engineering	ME 650 to EE 679	ME 750 to EE 759
4.	Industrial Engineering and other misc. courses	ME 680 to EE 696	ME 780 to EE 796

School of HSS: Coding Scheme for the PG and PhD Courses

Sr. No.	Discipline	Range of Course Codes	
		1st level PG/PhD Courses	2nd level PG/PhD Courses
1.	Philosophy	HS 602 to HS 619	HS 702 to HS 719
2.	Economics	HS 620 to HS 639	HS 720 to HS 739
3.	English and Foreign Languages	HS 640 to HS 659	HS 740 to HS 759
4.	Psychology	HS 660 to HS 679	HS 760 to HS 779
5.	Sociology	HS 680 to HS 696	HS 780 to HS 796

School of Science: Coding Scheme for the PG and PhD Courses

1. Chemistry

Sr. No.	Specialization	Range of Course Codes	
		1 st level PG/PhD Courses	2 nd level PG/PhD Courses
1.	Physical Chemistry	CH 600 to CH 619	CH 700 to CH 719
2.	Organic Chemistry	CH 620 to CH 639	CH 720 to CH 739
3.	Inorganic Chemistry	CH 640 to CH 659	CH 740 to CH 759
4.	Analytical Chemistry	CH 660 to CH 679	CH 760 to CH 779
6.	Polymer Chemistry	CH 680 to CH 696	CH 780 to CH 796

2. Mathematics

Sr. No.	Specialization	Range of Course Codes	
		1 st level PG/PhD Courses	2 nd level PG/PhD Courses
1.	Pure Mathematics	MA 600 to MA 649	MA 700 to MA 749
2.	Applied Mathematics	MA 650 to MA 696	MA 750 to MA 796

3. Physics

Sr. No.	Specialization	Range of Course Codes	
		1 st level PG/PhD Courses	2 nd level PG/PhD Courses
1.	Classical mechanics, Chaos, electromagnetism, fluid dynamics, elasticity theory, Non-linear dynamics and its applications	PH 600 to PH 609	PH 700 to PH 709
2.	Quantum mechanics, Quantum field theory, Supersymmetry, conformal field theory, Quantum information	PH 610 to PH 619	PH 710 to PH 719
3.	Statistical mechanics, Solid state physics, Condensed matter, mesoscopic physics, Classical and quantum phase transitions	PH 620 to PH 629	PH 720 to PH 729
4.	Nuclear physics, Plasma physics, Magnetohydrodynamics	PH 630 to PH 639	PH 730 to PH 739
5.	Optics, lasers, photonics, cold atoms	PH 640 to PH 649	PH 740 to PH 749
6.	Numerical methods, mathematical methods in physics, group theory, knot theory, graph theory	PH 650 to PH 659	PH 750 to PH 759
7.	Particle physics, accelerators, quark-gluon plasma, high energy physics-lattice, beyond standard model	PH 660 to PH 669	PH 760 to PH 769
8.	Astronomy, Astrophysics, General relativity, Cosmology, String theory, Quantum gravity	PH 670 to PH 679	PH 770 to PH 779
9.	Complex systems, networks, biophysics, financial physics	PH 680 to PH 689	PH 780 to PH 789
10	Miscellaneous topics like physics education, historical and philosophical approaches in contemporary physics, any other topic (preferably interdisciplinary) which can't be covered under previously	PH 690 to PH 696	PH 790 to PH 796