

Maulana Azad National Institute of Technology, Bhopal - 462003
DEPARTMENT OF ARCHITECTURE & PLANNING, MANIT, BHOPAL
SCHEME FOR B. PLAN
(2021 admitted batch onwards)

FIRST SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24101	Fundamentals of Urban & Regional Planning	Theory	3	-	-	3
PLN 24102	Fundamentals of Building Elements and Materials	Theory	3	-	-	3
PLN 24103	Evolution of Aesthetic, Culture and Technology	Theory	3	-	-	3
PLN 24104	Basic Design	Theory	2	-	2	3
MTH 24105	Statistical and Quantitative Methods in Planning - I	Theory	2	1	-	3
PLN 24121	Planning Project - I (Graphics and Presentation Techniques)	Viva	2	-	6	5
PLN 24122	Technical Report Writing and Research Methodology	Viva	1	-	2	2
SAS 24143 SAS 24144	NSS Yoga	Viva	-	-	2	1
Total Hours = 29			16	1	12	23
Total Credits (Cumulative)						23
Additional Subject: - National Cadet Corps (NCC)						
NCC24151	National Cadet Corps -I		1	1	-	2
Total Credits (Cumulative)						2

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

SECOND SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24111	Economics in Planning	Theory	3	-	-	3
PLN 24112	Specifications, Estimation and Valuation	Theory	2	-	2	3
PLN 24113	Techniques of Planning - I	Theory	1	2	-	3
CE 24114	Applied Geology and Hydrology	Theory	1	-	2	2
MTH 24115	Statistical and Quantitative Methods in Planning -II	Theory	2	1	-	3
PLN 24123	Planning Project - II (Graphics and Presentation Techniques)	Viva	2	-	6	5
CE 24124	Surveying and Photogrammetry	Viva	1	2	-	3
SAS 24141 SAS 24142	Life Skill Management Physical Health Education	Viva	-	-	2	1
Total Hours = 29			12	5	12	23
Total Credits (Cumulative)						46
Additional Subject: - National Cadet Corps (NCC)						
NCC 24152	National Cadet Corps - III		1	1	-	2
Total Credits (Cumulative)						4

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

THIRD SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24211	Planning Project-III (Neighborhood and Site Planning)	Viva	2	-	6	5
PLN 24212	Planning Theory-I	Theory	3	-	-	3
PLN 24213	Settlement Geography	Theory	3	-	-	3
PLN 24214	Techniques of Planning-II	Theory	2	1	-	3
PLN 24215	Traffic and Transportation Planning- I	Theory	2	2	-	4
PLN 24216	Demography in Planning	Theory	3	-	-	3
PLN 24217	Computer Aided Design (CAD)	Viva	1	2	-	3
Total Hours = 27			16	5	6	24
Total Credits (Cumulative)						70
Additional Subject: - National Cadet Corps (NCC)						
NCC 24251	National Cadet Corps - II		1	5	7	7
Total Credits (Cumulative)						11

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

FOURTH SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24221	Planning Project-IV (Transportation Planning)	Viva	2	-	6	5
PLN 24222	Planning Theory-II	Theory	3	-	-	3
PLN 24223	Planning Practice	Theory	3	-	-	3
PLN 24224	Traffic and Transportation Planning- II	Theory	2	-	-	4
PLN 24225	Ecology, Environment, and Resource Management	Theory	3	2	-	3
PLN 24226	Settlement Sociology	Theory	3	-	-	3
PLN 24227	Housing and Community Planning	Theory	1	2	-	3
Total Hours = 27			17	4	6	24
Total Credits (Cumulative)						94
Additional Subject: - National Cadet Corps (NCC)						
NCC 24252	National Cadet Corps - IV		2	-	1	3
Total Credits (Cumulative)						14

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

FIFTH SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24311	Planning Project-V (Zonal Plan)	Viva	2	-	6	5
PLN 24312	Real Estate Planning and Management	Theory	3	-	-	3
PLN 24313	Planning and Management of Utilities and Services	Theory	3	-	-	3
PLN 24314	Planning Legislation	Theory	3	-	-	3
PLN 24315	Sustainable Urban Planning and Management	Theory	3	-	-	3
PLN 24316	Landscape Planning and Design	Viva	1	-	2	2
CE 24332	Geo-Informatics for Planning	Theory	2	1	-	3
Total Hours = 26			17	1	8	22
Total Credits (Cumulative)						116
Additional Subject: - National Cadet Corps (NCC)						
NCC 24351	National Cadet Corps - V		1	5	1	7
Total Credits (Cumulative)						21

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

SIXTH SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24321	Planning Project-VI (Development Plan)	Viva	2	-	6	5
PLN 24322	Regional Planning	Theory	3	-	-	3
PLN 24323	Project Formulation, Appraisal and Management	Theory	3	-	-	3
PLN 24324	Urban Design	Theory	3	-	-	3
PLN 24325	GIS for Planning	Viva	1	-	4	3
	Programme Elective – 1 (Group - A)	Theory	3	-	-	3
	Department Elective (Group - B)	Theory	3	-	-	3
Total Hours = 28			18	-	10	23
Total Credits (Cumulative)						139
Additional Subject: - National Cadet Corps (NCC)						
NCC 24352	National Cadet Corps - VI		2	-	1	3
Total Credits (Cumulative)						24

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

SEVENTH SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24411	Planning Project-VII (Regional Plan)	Viva	2	-	6	5
PLN 24412	Urban and Rural Management	Theory	3	-	2	4
PLN 24413	Urban and Rural Governance	Theory	3	-	-	3
PLN 24414	Urban Finance	Theory	2	1	-	3
PLN 24415	Planning and Management of Informal Sector	Theory	2	1	-	3
PLN 24416	Training Review & Dissertation	Viva	1	-	2	2
	Open Elective (Group- C)	Theory	3	-	-	3
Total Hours = 28			16	2	10	23
Total Credits (Cumulative)						162

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

EIGHTH SEMESTER:

Course Code	Course Name	Theory/ Viva	Scheme of studies Periods per week			Total Credits
			L	T	P	
PLN 24421	Planning Thesis	Viva	3	2	6	8
PLN 24422	General Proficiency	Viva	-	-	2	1
	Programme Elective – 2 (Group - A)	Theory	2	-	2	3
	Programme Elective – 3(Group- A)	Theory	2	-	2	3
Total Hours = 21			7	2	12	15
Total Credits (Cumulative)						177

Note: Compulsory study trip / tour in Planning Studio subject as a part of studio.

List of Programme Elective (Group A) Elective- 1	
PLN 24351	Sustainable Development
PLN 24352	Future Settlements
PLN 24353	Metropolitan Planning, Development, and Management
PLN 24354	Contemporary Planning Practice
PLN 24355	Rural Development and Management
PLN 24356	Disaster Risk Mitigation and Management
PLN 24357	Big Data in Urban Planning
PLN 24358	Freight Transport and Logistics
PLN 24359	Tourism Planning
PLN 24360	Sustainable and Resilient Cities
PLN 24361	Inclusive Cities
PLN 24362	Smart Cities
PLN 24363	Infrastructure Planning, Development, and Management
PLN 24364	Human Settlements and Climate Change
List of Programme Elective (Group A) Elective - 2	
PLN 24451	Transport and Urban Development
PLN 24452	Sustainable Mobility
PLN 24453	Mobility and Equity
PLN 24454	Social Impact Assessment
PLN 24455	Eco Tourism Planning
PLN 24456	Planning Practice - II
PLN 24457	PPP in Urban Development
PLN 24458	Planning for Small and Medium Towns
PLN 24459	Planning for Mega Cities
PLN 24460	Necropolis
PLN 24461	Environment Impact Assessment
PLN 24462	Urban Informatics
PLN 24463	Public Policy Analysis
PLN 24464	Waste Management
PLN 24465	Sociology and Transport Planning
List of Programme Elective (Group A) Elective - 3	
PLN 24466	Planning for Special Areas
PLN 24467	Port Planning and Management
PLN 24468	Airport Planning and Management
PLN 24469	Railways Planning and Management
PLN 24470	Environmental Design
PLN 24471	Cities and Climate
PLN 24472	City and Metropolitan Planning
PLN 24473	Green Infrastructure
PLN 24474	Movement Corridors
PLN 24475	Planning of Historical Cities

PLN 24476	Urban Ecological Footprint Analysis
PLN 24477	Urban Waste Treatment and Recycle
PLN 24478	Transport and Environment
PLN 24479	Advanced Transportation Planning
PLN 24480	Environment Impact Assessment

Table Structure for Department Electives (Group - B)	
ARC 24351	Building Codes and Bylaws
ARC 24352	Modern and Contemporary World Architecture
ARC 24353	Modern and Contemporary Indian Architecture
ARC 24354	Barrier Free Architecture
ARC 24355	Hill Architecture
ARC 24356	Evolution of Human Settlements
ARC 24357	Mass Housing Design and Standards
ARC 24358	Advanced Theory of Design
ARC 24359	Ekistics
ARC 24360	Appropriate Technology
ARC 24361	Architectural Pedagogy
ARC 24362	Research Methodologies
ARC 24363	Research Techniques in Architecture
ARC 24364	Disaster Management
ARC 24365	Architectural Conservation
ARC 24366	Environmental Planning
ARC 24367	Green Building

