

<b>M.A./ M.Sc. (Two Years Degree Program)</b>	
<b>IV Semester</b>	
<b>Subject-Geography</b>	
<b>Code of the Course</b>	GEG9009T
<b>Title of the Course</b>	INDUSTRIAL GEOGRAPHY
<b>Qualification Level of the Course</b>	NHEQF Level 6.5
<b>Credit of the course</b>	4
<b>Type of the course</b>	Discipline Centric Core Course in Geography
<b>Delivery type of the Course</b>	Lecture (40+20 = 60). The 40 hours for content delivery and 20 hours of diagnostic assessment, formative assessment, and subject/class activity, problem solving.
<b>Pre-requisites</b>	Fundamental understanding of geographical concepts & phenomena.
<b>Co-requisites</b>	None
<b>Objectives of the course</b>	<ul style="list-style-type: none"> <li>• To impart sound understanding of factors, theories and models of industrial location.</li> <li>• To learn about the distribution of major industries and industrial regions in the world with special reference to India.</li> <li>• To develop proficiency in use of various quantitative techniques in the field.</li> <li>• To develop understanding of various environmental issues related to industrialization.</li> <li>• Basic contents for various competitive examinations for lecturership, school education, UGC NET-JRF and so on.</li> </ul>
<b>Learning outcomes</b>	<ul style="list-style-type: none"> <li>• Student will learn about the nature, scope and approaches to study industrial geography.</li> <li>• Student will learn the analysis of location of industries through various industrial locational models.</li> <li>• Student will learn about spatial distribution of selected industries in the world with special reference to India and Rajasthan.</li> <li>• Student will learn the basic contents of industrial geography for various competitive examinations like civil services, lecturership, school education, UGC NET-JRF and so on.</li> </ul>
<b>Syllabus</b> <b>पाठ्यक्रम</b>	
<b>UNIT - I</b>	<p>Nature and scope of industrial geography. Approaches to the study industrial geography. Classification of industries: bases and characteristics. Elements and factors of industrial localization, Centralization and decentralization of industrial enterprises. Horizontal, vertical and diagonal linkages of industries.</p> <p>औद्योगिक भूगोल की प्रकृति एवं विषय क्षेत्र। औद्योगिक भूगोल के अध्ययन के उपागम। उद्योगों का वर्गीकरण: आधार एवं विशेषताएँ। औद्योगिक स्थानीयकरण के तत्व और</p>

	कारक, औद्योगिक उद्यमों का केंद्रीकरण एवं विकेंद्रीकरण। उद्योगों का क्षेत्रीय, ऊर्ध्वधर एवं विकर्ण संबंध।
<b>UNIT - II</b>	Economies of scale and Concept of agglomeration. Industrial location models: A. Weber, E. M. Hoover, August Losch, A. Fetter, G. T. Renner. A. Pred, Palander Tord, D. M. Smith, E. M. Rawstron, Bos H. C. & Hamilton. पैमाने की अर्थव्यवस्थाएँ एवं समूहन की अवधारणा। औद्योगिक स्थान मॉडल: ए. वेबर, ई.एम. हूवर, अगस्त लॉस्च, ए. फेट्टर, जी. टी. रेनर। ए. प्रेड, पालैंडर टॉर्ड, डी. एम. स्मिथ, ई. एम. रॉस्ट्रॉन, बोस एच. सी. एवं हैमिल्टन।
<b>UNIT - III</b>	Geographical analysis of selected industries in the world with special reference to India: Iron and steel, cotton textile, Oil refining and Information technology. Locational analysis of zinc and cement industries of Rajasthan. विश्व एवं भारत के विशेष संदर्भ में चयनित उद्योगों का भौगोलिक विश्लेषण: लोहा एवं इस्पात, सूती कपड़ा, तेल शोधन एवं सूचना प्रौद्योगिकी। राजस्थान के जस्ता एवं सीमेंट उद्योगों का स्थानिक विश्लेषण।
<b>UNIT - IV</b>	Industrial regions: concept and methods of delineation. Study of major industrial regions of the world: Great Lakes region of USA-Canada and Lancashire region. Major industrial regions of India. Special Economic Zones (SEZ) in India: concept, distribution and significance. औद्योगिक प्रदेश: अवधारणा एवं सीमांकन की विधियाँ। विश्व के प्रमुख औद्योगिक प्रदेशों का अध्ययन: संयुक्त राज्य अमेरिका-कनाडा का वृहत झील प्रदेश और लंकाशायर प्रदेश। भारत के प्रमुख औद्योगिक प्रदेश। भारत में विशेष आर्थिक क्षेत्र (SEZ): अवधारणा, वितरण एवं महत्व।
<b>UNIT - V</b>	Environmental degradation and hazards caused by industries. Impact of industries on economic development. Role of globalization on manufacturing sector. Industrial revolution and world economic change. Industrial Policy of India. उद्योगों के कारण पर्यावरण का क्षरण एवं आपदाएं। आर्थिक विकास पर उद्योगों का प्रभाव। विनिर्माण क्षेत्र में वैश्वीकरण की भूमिका। औद्योगिक क्रांति एवं विश्व आर्थिक परिवर्तन। भारत की औद्योगिक नीति।
	<b>Suggested Readings</b> <b>सहायक ग्रन्थ / सामग्री</b>
<b>Text Books</b>	<ul style="list-style-type: none"> <li>• Saxena, H. M., Economic geography. Rawat Publication. New Delhi. 2013.</li> <li>• Gautam, Alka, Advanced Economic Geography, Sharda Pustak Bhavan, 2015.</li> <li>• Smith, D.M., Industrial Location- A Economic Geographic Analysis. John Wiley &amp; Sons, New York, 1971.</li> <li>• Alexanderson, G., Geography of Manufacturing. Prentice Hall, Bombay, 1967.</li> <li>• कुमार, प्रमिला एवं शर्मा, श्रीकमल : औद्योगिक भूगोल, मध्यप्रदेश हिन्दी ग्रन्थ अकादमी</li> <li>• लोढा, राजमल : औद्योगिक भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी</li> </ul>

<p><b>Reference Books</b></p>	<ul style="list-style-type: none"> <li>• Alexander, J. W., Economic Geography, Prentice Hall, New York.</li> <li>• Berry, B.J.L. et al, Geography of Economic System. Prentice Hall, Englewood Cliff, 1976.</li> <li>• Estall, R.C. and Buchanan R.C.. Industrial Activity and Economic Geography. Hutchinson University Library, London, 1963.</li> <li>• Llyod, P. E. and Dicken, Location in Space. Harper &amp; Row, London., 1978.</li> <li>• Miller, E.W., A Geography of Manufacturing. Prentice Hall, Englewood Cliff, 1962.</li> <li>• Shukla, S.K., Location of Industries. Sahitya Ratnalaya, Kanpur, 1979.</li> </ul>
<p><b>Suggested E-resources</b></p>	<ul style="list-style-type: none"> <li>• NCERT Geography books of 11th and 12th standards.</li> <li>• <a href="https://edukemy.com/blog/upsc-ncert-notes-geography-industries-in-india/">https://edukemy.com/blog/upsc-ncert-notes-geography-industries-in-india/</a></li> <li>• <a href="https://prepp.in/news/e-492-major-industrial-regions-of-the-world-geography-notes">https://prepp.in/news/e-492-major-industrial-regions-of-the-world-geography-notes</a></li> <li>• <a href="https://testbook.com/ias-preparation/webbers-model-of-industrial-location">https://testbook.com/ias-preparation/webbers-model-of-industrial-location</a></li> <li>• <a href="https://unacademy.com/content/upsc/study-material/ncert-notes/industrial-pollution-and-environmental-degradation/">https://unacademy.com/content/upsc/study-material/ncert-notes/industrial-pollution-and-environmental-degradation/</a></li> </ul>