

Struktur Program

II) Ijazah Sarjana Sains Sosial (Geografi)

Program ini mengkhusus kepada bidang Geografi. Struktur kurikulum dan senarai kandungan kursus bagi program ini adalah seperti berikut:

Kursus Wajib (21 unit)

Kod	Nama Kursus
SKAP6013	Wacana Pemikiran Sosial
SKAP6023	Metodologi Penyelidikan Sosial
SKAG6033	Kajian Lembangan Saliran
SKAG6043	Pembangunan dan Alam Sekitar
SKAG6053	Penduduk dan Kesejahteraan Sosial
SKAG6113	Kaji Iklim*
SKAG6133	Kajian Pinggir Pantai*
SKAG6123	Ekonomi, Politik dan Ruang**
SKAG6143	Petempatan dan Pembangunan**

- Bagi pelajar yang mengkhusus dalam aliran geografi fizikal sahaja
- Bagi pelajar yang mengkhusus dalam aliran geografi kemanusiaan sahaja

Kursus Elektif (6 unit)

Kod	Nama Kursus
SKAG6213	Perubahan Litupan Bumi
SKAG6223	Geografi Pelancongan
SKAG6233	Kesihatan dan Alam Sekitar
SKAG6243	Ehwal dan Pengurusan Bandar
SKAG6253	Pengurusan Alam Sekitar
SKAG6263	Pengangkutan, Pembangunan dan Transformasi Ruang

Jika perlu, pelajar juga boleh mengambil kursus-kursus elektif di luar program/pusat/fakulti bagi mengukuhkan tujahan.

Tesis Sarjana (9 unit)

Kod	Nama Kursus
SKAG6009	Tesis Sarjana (9 unit)

Jumlah Keseluruhan **36 unit**

Sinopsis Kursus/Course Synopsis

- **Kursus Wajib/Compulsory Courses**

SKAP6013 Wacana Pemikiran Sosial

Umumnya sifat realiti sosial adalah rumusan para pemikir mengenai hubungan antara manusia, masyarakat dan alam. Kursus ini membincang teori-teori sosial yang dikemukakan oleh pemikir Barat dan bukan-Barat untuk memperjelaskan hubungan tiga penjurong ini dan wacana semasa mengenai isu-isu falsafah, teoritis dan kaedah yang ditangani atau tidak ditangani oleh teori-teori tersebut. Topik-topik perbincangan termasuk perbezaan antara ilmu wahyu dan sains (termasuk sains sosial), peranan falsafah dalam pembinaan teori sosial, hubungan antara kolonialisme, imperialisme dan orientalisme, pentakrifan semula hubungan antara struktur, keagensian manusia dan ruang sehubungan perubahan sosial dan alam sekitar yang melanda masyarakat manusia, keadaan pasca-modern dan aplikasi teori sosial dan perspektif ruang dalam konteks Malaysia.

SKAP6013 Discourse On Social Thought

In general, characteristics of social reality are perceived to be the summary of relationships between man, society and the universe as portrayed by social thinkers. This course will engage discussions on the various social theories put forward by Western and non-Western social thinkers in explaining the relationship between the said entities and their linkages with current philosophical, theoretical and methodological issues. Topics to be discussed would include the differences between revealed knowledge and the sciences (including the social sciences), the role of philosophy in the development of social theories; relationships between colonialism, imperialism and Orientalism; redefinition of the relationships between social structure, human agencies and space within the paradigm of societal and environmental changes. These issues will be discussed, from the Malaysian perspective and contextuality, in relation to the emergence of postmodern theoretical discourses and their practical questions.

Bacaan Asas/Basic Readings

- Giddens, A. 1992. *Capitalism and modern social theory*. (Ed. Baru). Cambridge, UK: Cambridge University Press.
- Gregory, D. & Urry, J. 1987 (pnyt.). *Social relations and spatial structures*. London: Macmillan.
- Said, E. 1996. *Orientalism*. Hammondsworth: Penguin.
- Seidman, S. 1994. *Contested knowledge: social theory in the postmodern era*. Oxford: Blackwell
- Werlen, B. 1993. *Society, action and space*. London: Routledge.

SKAP6023 Metodologi Penyelidikan Sosial

Penyelidikan berkaitan persoalan sosial, pembangunan dan persekitaran memerlukan maklumat yang tepat daripada pelbagai sumber dan media, serta pemilihan kaedah pengumpulan dan analisis yang wajar. Bahagian pertama kursus ini bertujuan menjelaskan perancangan rekabentuk dan rasional mengikut tahap dalam sesuatu penyelidikan. Beberapa kaedah akan dibincangkan seperti pelbagai cara kajiselidik, temubual, pemerhatian dan cerapan. Perbincangan akan ditumpukan kepada aspek pengurusan data bagi tujuan analisis, pentafsiran dan persembahan. Kedua-dua kaedah kualitatif dan kuantitatif akan dibincangkan dalam mempersembahkan hasil penyelidikan. Bahagian kedua kursus ini bertujuan membincangkan kaedah penyelidikan yang lebih spesifik mengikut keperluan program.

SKAP6023 Social Research Methods

Researches on social, development, and environmental issues demands reliable facts and figures that may come from various sources, as well as data generated by specially conducted fieldworks. Research methodology involves methods of designing data collecting strategy as well as the processes of data collecting and analyses. The first part of this course will deal with the planning, designing, strategizing and rationalizing various social types of researches. Several types of data collection techniques will be discussed, such as survey, interviews, general observation and participant observation. The discussion will also be directed towards data processing and management for the purposes of analysis, interpretations, and presentations. This course will be discussing the strength and weakness of both the quantitative and the qualitative methods. The second part of this course will discuss methodological issues related to various but specific research projects

Bacaan Asas/Basic Readings

- Abdul Rahim Md. Noor 1999. *Kaedah menganalisis data berkomputer*. Kuala Lumpur: Fajar Bakti.
- Babbie, E. 2001. *The practice of social research*. Belmont, CA: Wadsworth.
- Nachmias, D. & Nachmias, Chava-Frankfort. 1992. *Research methods in the social sciences*. London: Edward Arnold.
- Neuman, W.L. 2000. *Social research methods: qualitative and quantitative approaches*. Boston: Allyn & Bacon.
- Wolcott, H. F. 1999. *Ethnography: A way of seeing*. Oxford: AltaMira Press.

SKAG6033 Kajian Lembangan Saliran

Kursus ini bertujuan memantapkan pengetahuan pelajar mengenai konsep pengurusan lembangan saliran bersepadu yang menitik-beratkan aspek-aspek persekitaran fizikal dan manusia. Pelajar akan didedahkan kepada proses-proses fizikal yang terdapat di dalam sesebuah lembangan saliran serta perubahan proses di dalam konteks impak manusia terhadap persekitaran terutamanya berkaitan hakisan, pemendapan, pencemaran air,

banjir, kemarau. Penekanan akan diberikan kepada kepentingan kawasan tadahan, sistem saliran dan juga tanah lembap serta perancangan pembangunan berkaitan dengan pengurusan sumber dan bekalan air. Pengurusan lembangan saliran akan mengambil kira dasar, strategi, penyediaan institusi serta mekanisme sokongan.

SKAG6033 River Basin Studies

The aims of the course is to strengthen student's knowledges about the concept of integrated river basin with regards to human and physical aspects. Students will be exposed to various physical processes that occur in river basin as well as their changes due to human impacts especially in relation to erosian process, sedimentation, air pollution, flood and drought. Attantion will be given to the importance of catchment area, drainage system, wetlands and devolepment planning with regards to source and water supply management. Topic on drainage basin management will taken into cosideration aspects of policy, strategy, institution preparation as well as supportive machanisme.

Bacaan Asas/Basic Readings

- Easter, K.W., Dixon, J.A. & Hufschmidt, M.M. (pnyt.). 1991. *Watershed resources management*. Singapore: Institute of Southeast Asian Studies and Environment and Policy Institute, East-West Center, Hawaii.
- Gregory, K.J. & Walling, D.E. 1973. *Drainage basin form and process: a geomorphological approach*. London: Edward Arnold.
- Jamaluddin Md. Jahi, Abd Rahim Md Nor, Abdul Hadi Harman Shah & Ahmad Fariz Mohamed (pnyt.). 2000. *Integrated drainage basin management and modelling*. Bangi: Centre for Graduate Studies, UKM.
- Naiman, R.J. (pnyt.). 1992. *Watershed management: balancing sustainability and environmental change*. New York: Springer.
- Schwab, G.O., Fangmeier, D.D., Elliot, W.J. & Frevert, R.K. 1993. *Soil and water conservation engineering*. 4th. edition. New York: John Wiley & Sons, Inc.

SKAG6043 Pembangunan dan Alam Sekitar

Kursus ini akan meneliti saling kaitan di antara keperluan manusia, sumber alam dan alam sekitar. Ia meliputi isu kaitan pembangunan manusia dengan sumber alam, pengurusan pembangunan manusia dan alam sekitar untuk pembangunan berterusan yang mampan. Isu impak pembangunan terhadap persekitaran fizikal dan sosial akan diberi perhatian yang khusus dengan mengambil contoh pengalaman Malaysia sendiri.

SKAG6043 Development and Environment

This course deals with inter-relationship between human needs with resources and environment. The coverage of the course include issues relating to human development and natural and social resources, management of human development and environment for sustainable development. Developmental impact issues on

physical and social dimension will be given special treatment, using Malaysian experiences as examples.

Bacaan Asas/Basic Readings

- Jamaluddin Md. Jahi. 1996. *Impak pembangunan terhadap alam sekitar*. Bangi: Penerbit Universiti Kebangsaan Malaysia.
- Johnston, R. J. Taylor, P. J. & Watts, M. J. 1996. *Geographics of global change*. Oxford: Basil Blackwell.
- Newson, M. (pnyt.). 1992. *Managing the human impact on the natural environment: patterns and processes*. London: Routledge.
- Park, C. 1997. *The environment*. London: Routledge.
- Pickering, K. T. & Owen, L. A. 1997. *An introduction to global environmental issues*. London: Routledge.

SKAG6053 Penduduk dan Kesejahteraan Sosial

Kebajikan dan tingkat pembangunan penduduk sesebuah negara boleh ditunjukkan berdasarkan aras kesejahteraan sosialnya. Kursus ini membincangkan konsep dan teori asas kesejahteraan sosial serta penerapannya dalam perancangan pembangunan negara. Aspek ketaksamaan serta hubungannya dengan perbezaan ruang, kemiskinan dan isu-isu semasa di peringkat global dan di Malaysia juga akan dibincangkan.

SKAG6053 Population And Social Well-Being

The welfare and development level of a country's population can be gauged from the level of its social well-being. This course shall discuss the basic concepts and theories of social well-being and its utilisation in development planning. Aspects of inequality and their relationship with spatial difference poverty and current issues at both the global and national (Malaysia) levels shall also be discussed.

Bacaan Asas/Basic Readings

- Hurst, C. E. 1995. *Social inequality: forms, causes and consequences*. Boston: Allyn & Bacon.
- Shireen Mardziah Hashim. (pynt.). 1999. *Income inequality and poverty in Malaysia*. Rowman: Littlefield.
- Smith, D. M. 1994. *Geography and social justice*. Oxford: Basil Blackwell.
- Smith, D. M. 2000. *Moral geographies: ethics in a world of difference*. Edinburg: Edinburg University Press.
- Temkin, L. S. 1996. *Inequality*. London: Oxford University Press.

SKAG6113 Kaji Iklim

Kursus Kaji Iklim ini membincangkan perubahan ciri-ciri atmosfera bumi yang disebabkan oleh perubahan persekitaran global. Kandungannya meliputi iklim fizikal dan dinamik, ramalan model iklim, ukuran, cerapan serta pemahaman kesan risiko terhadap perubahan

iklim, isu perubahan iklim akibat proses pembangunan dan usaha untuk menanganinya. Topik lain termasuk unjuran perubahan iklim, impak dan langkah mitigasi untuk mengurangkan kesan perubahan iklim.

SKAG6113 Climatology

This course attempts to discuss changes in earth atmospheric characteristics due to changes in global environment. The contents of the course is dynamic and physical climate, climate observation, modelling, prediction and understanding the effects and issues of climate change. Besides, the course also attempts to look into development processes as one of the factors of climate change as well as effort to mitigate this problem. Other topics are prediction of climate change, the impact and mitigation measure that reduce this effect.

Bacaan Asas/Basic Readings

Climate Change. 2001. *IPCC Third assessment report – climate change 2001*. New York: Cambridge University Press.

The Asia Pacific Speaks. 2001. *Perspectives on climate change*. Indonesia: Pelangi.

Trenberth, K. E. 1992. *Climate system modeling*. New York: Cambridge University.

WG I Climate Change. 2001: *The scientific basis*. New York: Cambridge University Press.

WG II Climate Change. 2001. *Impacts, adaptation and vulnerability*. New York: Cambridge University Press.

SKAG6133 Kajian Pinggir Pantai

Kursus ini membincangkan persekitaran dan proses-proses geomorfologi yang berlaku di zon pinggir pantai serta pengurusannya. Proses-proses yang dikaji meliputi hakisan dan pemendapan serta peranan ombak, pasang surut, angin dalam mempengaruhi bentuk-bentuk fizikal daratan. Zon pinggir pantai yang dinamik, sama ada dari aspek semulajadi mahupun aspek penggunaan, akan dibincangkan dalam konteks pengurusannya berdasarkan contoh-contoh dari luar dan dalam negara.

SKAG6133 Coastal Studies

The course discusses the environment and all geomorphological processes that occur in the coastal zone as well as its management. Processes will include erosion and sedimentation as well as the important of wave, tide, and wind in influencing the land physical features. The dynamic of coastal zone, whether from natural or non-natural aspects will be discussed in the contexts of management, based on national and international examples.

Bacaan Asas/Basic Readings

Davis, R.A Jnr. 1978. *Coastal sedimentary environment*. Berlin: Springer Verlag.

Ditton, R.B., Seymour, J.L & Swanson, G.C.. 1977. *Coastal resources management: beyond bureaucracy and the market*. Lexington: Lexington Books.

- Salomons, W, Turner, R.K., De Lacerda, L.D., Ramachandran, S. & Turner, K. (pnyt.) 1999. *Perspectives on integrated coastal zone management*. Berlin: Springer Verlag.
- Timothy O’Riordan, T. (pnyt.). 1995. *Environmental science for environmental management*. London: Addison-Wesley.
- Zenkovich, V.P. 1967. *Processes of coastline development*. Edinburgh: Oliver & Boyd.

SKAG6123 Ekonomi, Politik dan Ruang

Masyarakat manusia kini menghayati ruang kehidupan di mana terdapat percaturan-percaturan serius antara kuasa politik (governans) dengan kuasa ekonomi (khususnya kewangan dan perdagangan) sehingga wujud berbezaan ketara pada corak kehidupan dari tempat ke tempat dan dari kawasan ke kawasan. Dengan bertujahkan sektor kewangan (finans) dan perdagangan global, kursus ini menyorot realiti hubungan antara wang, kuasa dan ruang serta isu-isu besar berkaitan dengan hubungan itu. Antara isu yang menjadi fokus ialah bagaimana kolusi antara kapitalisme, sistem perbankan berasaskan faedah (interest) dan globalisasi kewangan dan perdagangan dunia semasa telah mewujudkan krisis hutang berat di kalangan negara-negara membangun; dan prospek mewujudkan sistem dan governans kewangan dunia yang dapat memperkasakan golongan lemah.

SKAG6123 Economy, Politic and Space

Human societies today are enduring living space in which serious interplay between political powers (governance) and economic powers (especially monetary and trade) have created glaring differences in living patterns between places and regions. Based on global financial and trade sectors, this course discusses realistic relation between money, power and space, also big issues of the relationship. Some of the issues in focussed are how collusions between capitalisme, banking systems (based on interest and global finance) and current world trade have created heavy debt crisis amongst developing countries; and the prospects of world financing and governing systems to empower the weak nations.

Bacaan Asas/Basic Readings

- Bello, W., Bullard, N. & Malhotra, K. (pnyt.) 2000. *Global finance*. London: Zed Books
- Cavanagh, J., Mander, J. *et.al.* 2002. *Alternatives to economic globalization*. San Francisco: International Forum on Globalization.
- Corbridge, S., Martin, R. & Thrift, N. (pnyt.) 1994. *Money, power and space*. Oxford: Blackwell.
- Douthwaite, R. 1996. *Short circuit : strengthening local economies for security in an unstable world*. London : Green Books
- Rowbotham, M. 1998. *The grip of death: a study of modern money, debt slavery and destructive economics*. London: Jon Carpenter.

SKAG6143 Petempatan dan Pembangunan

Kursus ini membincangkan keterkaitan sistem petempatan dengan pembangunan negara. Perbincangan ditumpukan kepada teori dan paradigma pembangunan serta implikasinya terhadap sistem petempatan. Perhatian juga diberikan kepada dasar dan strategi petempatan bagi pembangunan desa dan bandar dalam konteks pelbagai pendekatan pembangunan. Selain itu, isu perkembangan ekonomi moden khususnya di bandaraya metropolitan dalam era globalisasi serta impak ruang yang ditimbulkannya akan turut diperiksa. Contoh di negara membangun khususnya Malaysia akan diketengahkan.

SKAG6143 Settlement and Development

The present course discusses the relationship between settlement system and national development. Focus of discussion is on theory and development paradigm, as well as their implications for settlement system. Attention is also given to policies and strategies for rural and urban development within the context of various development approaches. The discussion also focuses on the issue related to modern economies with special reference to metropolitan cities in the era of globalisation and its resultant spatial impacts. Examples from developing countries with particular reference to Malaysia will be highlighted.

Bacaan Asas/Basic Readings

- Friedmann, J. 2002. *The prospect of cities*. Minneapolis: University of Minnesota Press.
- Ghani Salleh. 2000. *Urbanisation and regional development in Malaysia*. Kuala Lumpur: Utusan Publication.
- Katiman Rostam. 2001. *Dasar dan strategi petempatan dalam pembangunan negara*. Bangi: Penerbit Universiti Kebangsaan Malaysia.
- Rietveld, P. & Shefer, D. (pnyt.) 1999. *Regional development in an age of structural economic change*. Aldershot: Ashgate.
- Vliet, W.V. (pnyt.) 2001. *Cities in a globalizing world. Global report on human settlements 2001*. United nation Centre for Human Settlements (HABITAT). London: Earthscan Publication.

SKAG6009 Tesis Sarjana

Tesis Sarjana bertujuan melatih pelajar menjalankan penyelidikan dan penulisan ilmiah secara saintifik di bawah penyeliaan seorang pensyarah. Pelajar sendiri boleh memilih suatu topik yang mengandungi isu tertentu untuk diselidiki dan diuji. Pelajar lazimnya dikehendaki melakukan pembacaan ekstensif tentang topik berkenaan, mengemukakan cadangan penyelidikan ringkas kepada penyelia, mengumpul dan menganalisis data serta menulis tesis yang panjangnya tidak melebihi 30,000 perkataan mengikut Gaya UKM. Seorang pemeriksa dalaman akan dilantik untuk menjadi pembaca kedua bagi menilai Tesis Sarjana berkenaan.

SKAG6009 Master Thesis

The aim of Master thesis is to train students how to carry out research and to write scientific academic writing under supervision of one supervisor. In order to do research and analyse it, student can chose any topic that has an interesting and specific issue. Generally, students are asked to do extensive reading on the they chose, write a short proposal and presented it to their supervisor; collect and analyse data and write a thesis which is not more than 30,000 words that should follow UKM writing style. One internal examiner will be assigned to become a reader to assess that student's Master thesis.

• **Kursus Elektif/Elective Courses**

SKAG6213 Perubahan Litupan Bumi

Kursus ini membincangkan perubahan guna tanah bagi tujuan pembangunan terutama litupan hutan. Perubahan guna tanah akan dikaitkan dengan isu global seperti perubahan biogeokimia dan kesannya kepada perubahan aras laut, kesan kepada gas rumah hijau dan kesan kepada aktiviti manusia. Selain itu kursus ini juga akan membincangkan faktor-faktor yang mendorong kepada perubahan guna tanah. Permodelan guna tanah juga akan diperkenalkan dalam merancang pembangunan guna tanah mapan bagi menjamin persekitaran yang sihat.

SKAG6213 Land Coverage Changes

The course discusses changes in landuses for development especially forest cover. Landuses changes will relate to global issues such as changes in biogeochemical and its effects on changes in sea level, green house and human activities. The course will also discuss factors that influence changes in landuses. Landuse modelling will be introduced in planning sustainable landuse development to ensure healthy environment.

Bacaan Asas/Basic Readings

- Barrow, C.J. 1994. *Land degradation, development and breakdown of terrestrial environment*. Cambridge: Cambridge University Press.
- Sharifah Mastura, S.A. (pnyt), 1996. *Land use and land cover changes in Klang-Langat river basin*. Bangi: IGBP, IHD, UNDP & EOC.
- Stern, P.C., Young O.R. & Druckman D. 1992. *Global environmental change: understanding the human dimensions*. Washington: National Academy Press.
- Turner, B.L., Moss, R.H. & Skole, D.L. (pnyt), 1995. *Land use and land cover change*. Stockholm: IGBP (Report No. 35). HDP (Report No. 7).
- William, B.M. & Turner, B.L. (pnyt). 1994. *Changes in land use and land cover: a global perspective*. New York: Cambridge University Press.

SKAG6223 Geografi Pelancongan

Kursus ini membicarakan aspek permintaan dan penawaran produk pelancongan serta implikasinya terhadap ruang. Antara isu yang diberi penekanan termasuklah pola pergerakan pelancong, jenis-jenis destinasi pelancongan dan ciri-ciri tarikannya serta peranan agen-agen pelancongan dengan tumpuan kepada watak-watak utama dalam industri pelancongan. Selain itu perhatian juga akan diberikan terhadap pelbagai impak aktiviti pelancongan juga isu-isu perancangan pelancongan dengan tumpuan utama kepada Malaysia.

SKAG6223 Geography of Tourism

This course discuss the demand and supply aspect of tourism product and its implication towards space. One of the main issues include tourism moving pattern, types of tourism destination and the elements of attraction, and also the responsibility of tourism agent which centre on the tourism industry. Apart from that, impact of tourism activity and issues on tourism planning will be covered which we will focus on Malaysia.

Bacaan Asas/Basic Readings

- Butler, R. W. & Hinch, T. (pnyt.). 1996. *Tourism and native peoples*. London: Routledge.
- Gunn, C. A. 1994. *Tourism planning: basics, concepts and cases*. Washington: Taylor & Francis.
- Hall, C. M. 1995. *Introduction to tourism in Australia: impacts, planning and development*. South Melbourne: Longman.
- Hall, C. M. & Lew, A. A. 1998. *Sustainable tourism: a geographical perspective*. London: Longman.
- Pearce, D. 1995. *Tourism today: a geographical analysis*. London: Longman.

SKAG6233 Kesihatan dan Alam Sekitar

Kesihatan manusia boleh dipengaruhi oleh keadaan alam sekitar. Kursus ini melihat bagaimana kaitan di antara aras kesihatan manusia dan keadaan alam sekitarnya. Ia memokus kepada elemen-elemen alam sekitar di sesebuah kawasan, pengaruh dan kesannya ke atas kesihatan serta kesejahteraan kehidupan manusia.

SKAG6233 Environment and Health

Human health can be influenced by environmental conditions. This course attempts to observe the relationship that establish between human health status and environmental conditions. The course will focus on environmental elements at certain localities, their influences and effects on human health as well as human comfortabilities.

Bacaan Asas/Basic Readings

- Cartledge, B. 1994. *Health and the environment*, The Linacre Lecture 1992-3, Oxford: Oxford University Press.

- Chivian, E. C. et. al. (pnyt) *Critical condition: human health and the environment*, London: The MIT Press.
- Jones, K. & Moon, G. 1983. *Health, disease and society: an introduction to Medical Geography*. London: Routledge & Kegan Paul.
- Rowland, A. J. & Cooper, P. 1983. *Environment and health*. London: Edward Arnold (Publisher) Ltd.
- WHO. 1992. *Our planet, our health*. Report of the WHO Commission on Health and Environment, Geneva: WHO.

SKAG6243 Ehwat dan Pengurusan Bandar

Majoriti penduduk dunia, termasuk Malaysia tinggal di bandar. Akibat penumpuan tersebut, timbul pelbagai isu. Wacana dalam kursus ini ditumpukan kepada isu yang berkaitan dengan kesan pembandaran dan perkembangan bandar daripada segi sosial, politik, ekonomi khususnya perindustrian dan perkhidmatan di bandar dalam era globalisasi. Perbincangan juga meliputi peranan dan bidang kuasa kerajaan tempatan khususnya di Malaysia dalam mengurus ehwal bandar yang berkaitan dengan isu tersebut. Tumpuan perbincangan diberikan kepada aspek pelaksanaan peraturan yang terkandung dalam Akta 171 (1976) dan akta lain yang berkaitan dengan isu tersebut.

SKAG6243 Urban Issue and Management

Majority of the world population including Malaysia, live in urban areas. Their heavy concentration in urban areas have resulted in many problems and issues. This course discusses issues on the impact of urbanization and development upon social, politic and globalization. Discussion also covers the role of local government, with special reference to Malaysia, in managing the urban issues. Focus of the discussion will be on the importance of Act 171 (1976) and other related acts in managing Malaysian urban areas.

Bacaan Asas/Basic Readings

- Borja, J. & Castells, M. 1997. *Local and global: management of cities in the information age*. London: Earthscan Publication Ltd.
- Dreier, P., Swanstrom, T. & Mollenkopf, J.H. 2001. *Place matters: metropolitics for the twenty-first century*. Kansas City: University of Kansas Press.
- Kirdar, Uner. (pnyt.). 1997. *Cities fit for people*. New York: United Nation Publication.
- Phang Siew Nooi. 1997. *Sistem kerajaan tempatan di Malaysia*. Kuala Lumpur: Dewan Bahasa dan Pustaka.
- Polese, M. & Stren, R. (pnyt.) 2000. *The social sustainability of cities: diversity and the management of change*. Toronto: University of Toronto Press.

SKAG6253 Pengurusan Alam Sekitar

Kursus ini bertujuan membincangkan kepentingan pengurusan alam sekitar secara bersepadu dan holistik. Pelajar akan didedahkan kepada proses serta hubungkaitan antara

komponen-komponen utama alam sekitar melalui aspek-aspek persekitaran fizikal dan manusia serta perubahan proses dan impaknya terhadap alam sekitar. Sorotan akan dibuat tentang keadaan semasa alam sekitar global dan tempatan sebagai asas untuk pengurusan. Pengurusan alam sekitar bersepadu akan ditinjau melalui cara perundangan dan cara bukan perundangan dalam konteks konsep dan prinsip pembangunan berterusan.

SKAG6253 Environmental Management

The aim of the course is to discuss the importance of environmental management in an integrated and holistic manner. Students will be exposed to processes and the relationship between all important environmental components in physical and human aspects as well as process changes and their impacts on environment. Focus will be on current global and local situations as a basic management. The integrated environmental management will be studied through legalisations as well as non-legalisations in the contexts of concepts and principal of sustainable development.

Bacaan Asas/Basic Readings

- Buchholz, R.A. 1998. *Principles of environmental management: the greening of business* (2nd ed.). Upper Saddle River, New Jersey: Prentice Hall.
- Jamaluddin Md. Jahi. 1996. *Impak pembangunan terhadap alam sekitar*. Bangi: Penerbit Universiti Kebangsaan Malaysia.
- Jamaluddin Md. Jahi (pnyt.). 2000. *Pengurusan persekitaran di Malaysia: isu dan cabaran*. Bangi: Pusat Pengajian Siswazah, Universiti Kebangsaan Malaysia.
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- World Commission on Environment and Development (WCED). 1987. *Our common future*. Oxford: Oxford University Press.

SKAG6263 Pengangkutan, Pembangunan dan Transformasi Ruang

Kursus ini membincangkan perkaitan antara pengangkutan dengan pembangunan ekonomi dan sosial penduduk serta kesannya terhadap struktur kawasan. Peranan negara dan syarikat multi-nasional dalam pembangunan pengangkutan akan turut dijelaskan. Perbincangan dimulakan dengan pelbagai komponen pengangkutan darat, laut dan udara bagi penumpang dan barangan. Ini diikuti dengan peranan pengangkutan dalam penerokaan dan pembangunan kawasan, persoalan pengurangan geseran jarak, faedah-faedah ekonomi dan sosial kepada penduduk, isu-isu keterancaman alam sekitar melalui penerokaan kawasan baru kesesakan trafik dalam bandar dan kecelakaan jalanraya.

SKAG6263 Transport, Development and Spatial Transformation

This course examines the relationship between transport and economic and social development of the population, and its impacts on the spatial structure of regions

where they lived. The roles of multi-national companies in the development of transport infrastructure will also be explained. The course begins by introducing the various components of transport infrastructure for passengers and freights on land, sea and air. This will be followed by discussions on the role of transport in the opening up and development of new lands, the question of reducing friction distance, the economic and social benefits of transport on the population, the issue of vulnerability of the environment resulting from the opening up of new lands, traffic congestion, and road accident.

Bacaan Asas/Basic Readings

- Banister, D. & Berechman, K. 2000. *Transport investment & economic development*. London: UCL Press.
- Chang, H.J. 2003. *Globalisation, economic development & the role of the state*. London: Zed Book Ltd.
- Chia, L.S. & Leinbach, T.R. 1989. *Southeast Asian transport: issues & development*. Singapore: Oxford University Press.
- Howard, D. & Rimmer, P. 2003. *Cities, transport and communications: the integration of Southeast Asia since 1980*. New York: Palgrave Macmillan.
- Rietveld, P. et. al. 1998. *Is transport infrastructure effective? Transport infrastructure & accessibility: impacts on space economy*. Berlin: Springer.

**STRUKTUR KURIKULUM
PROGRAM GEOGRAFI**

KOMPONEN	SEMESTER 1		SEMESTER 2		SEMESTER 3		JUMLAH JAM KREDIT
	MATAPELAJARAN	JAM KREDIT	MATAPELAJARAN	JAM KREDIT	MATAPELAJARAN	JAM KREDIT	
Kursus Wajib	. SKAP6013 Wacana Pemikiran Sosial	12	. SKAP6023 Metodologi Penyelidikan Sosial	9			21
	. SKAG6033 Kajian Lembangan Sairan		. SKAG6053 Pendudukan dan Kesejahteraan Sosial				
	. SKAG6043 Pembangunan dan Alam Sekitar		. SKAG6113* Kaji Iklim				
	. SKAG6123** Ekonomi, Politik dan Ruang		. SKAG6143** Petempatan dan Pembangunan				
	. SKAG6133* Kajian Pinggir Pantai						
Kursus Elektif* (ambil mana- mana satu kursus pada semester 2 dan semester 3)			. SKAG6223 Geografi Pelancongan	3	.SKAG6213 Perubahan Litupan Bumi	3	6
			.SKAG6253 Pengurusan Alam Sekitar		.SKAG6233 Kesihatan dan Alam Sekitar		
			.SKAG6263 Pengangkutan, Pembangunan dan Transformasi		.SKAG6243 Ehwal Pengurusan Bandar		
Tesis Sarjana				12	. SKAD6009 Tesis Sarjana	9	9
Jumlah Jam Kredit		12		12		12	36

*Bagi pelajar yang mengkhusus dalam aliran geografi fizikal sahaja

** Bagi pelajar yang mengkhusus dalam aliran geografi kemanusiaan sahaja
(Pelajar juga boleh mengambil mana-mana kursus elektif lain di dalam dan luar program, pusat pengajian atau fakulti yang sesuai untuk mengukuhkan tujuhan)