

# Applied Ecology and Conservation

Level 3 Environmental Science and Sustainability course

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1.  
Townsend CR. Ecological applications: toward a sustainable world. Oxford: Blackwell; 2008.
  
  2.  
Beeby A, Brennan AM. First ecology. 3rd ed. New York, N.Y.: Oxford University Press; 2008.
  
  3.  
Cotgreave P, Forseth I. Introductory ecology. Oxford: Blackwell Publishers; 2002.
  
  4.  
Gaston KJ, Spicer JI. Biodiversity: an introduction. 2nd ed. Malden, Mass: Blackwell Pub; 2004.
  
  5.  
Cotgreave P, Forseth I. Introductory ecology. Oxford: Blackwell Publishers; 2002.
  
  6.  
Beeby A, Brennan AM. First ecology. 3rd ed. New York, N.Y.: Oxford University Press; 2008.

7.

Dickinson G, Murphy KJ. Ecosystems : a functional approach [Internet]. London: Routledge; 1998. Available from:

[https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI\\_ALMA2120164360003931&context=L&vid=44PAI\\_V1&search\\_scope=default\\_scope&tab=default\\_tab&lang=en\\_US](https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2120164360003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab&lang=en_US)

8.

Townsend CR, Begon B Michael, Harper JL. Essentials of ecology [Internet]. 2nd ed. Malden, Mass: Blackwell Publishing; 2002. Available from:

[https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI\\_ALMA2120491760003931&context=L&vid=44PAI\\_V1&search\\_scope=default\\_scope&tab=default\\_tab&lang=en\\_US](https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2120491760003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab&lang=en_US)

9.

Gaston KJ, Spicer JI. Biodiversity: an introduction. 2nd ed. Malden, Mass: Blackwell Pub; 2004.

10.

Castro P, Huber ME. Marine biology [Internet]. 3rd ed. New York: McGraw-Hill; 2000. Available from:

[https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI\\_ALMA2123469120003931&context=L&vid=44PAI\\_V1&search\\_scope=default\\_scope&tab=default\\_tab&lang=en\\_US&lang=en\\_US&lang=en\\_US&lang=en\\_US&lang=en\\_US](https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2123469120003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab&lang=en_US&lang=en_US&lang=en_US&lang=en_US&lang=en_US)

11.

Townsend CR. Ecological applications: toward a sustainable world. Oxford: Blackwell; 2008.

12.

Jørgensen SE, Nielsen SN. The properties of the ecological hierarchy and their application as ecological indicators. *Ecological Indicators*. 2013 May;28:48-53.

13.

Ahrestani FS, Smith WK, Hebblewhite M, Running S, Post E. Variation in stability of elk and red deer populations with abiotic and biotic factors at the species distribution scale. *Ecology*. 2016 Jul;

14.

Keystone Species Hypothesis [Internet]. Available from:  
<http://www.washington.edu/research/pathbreakers/1969g.html>

15.

The Great Bustard Group - Great Bustard reintroduction and conservation [Internet]. Available from: <http://greatbustard.org/>

16.

WWF - Siamese Crocodile (*Crocodylus siamensis*) [Internet]. Available from:  
[http://cambodia.panda.org/projects\\_and\\_reports/endangered\\_species/reptiles/siamese\\_crocodile/](http://cambodia.panda.org/projects_and_reports/endangered_species/reptiles/siamese_crocodile/)

17.

Thor Hanson. EFFECTS OF HABITAT FRAGMENTATION ON THE REPRODUCTIVE ECOLOGY AND CONSERVATION GENETICS OF THE ALMENDRO (*Dipteryx panamensis*), A KEYSTONE RAINFOREST TREE [Internet]. 2006. Available from:  
<http://orton.catie.ac.cr/repdoc/A1316i/A1316i.pdf>

18.

The IUCN Red List of Threatened Species [Internet]. Available from:  
<http://www.iucnredlist.org/>

19.

Pauw A. Can pollination niches facilitate plant coexistence? *Trends in Ecology & Evolution*. 2013 Jan;28(1):30–37.

20.

Pagel J, Schurr FM. Forecasting species ranges by statistical estimation of ecological niches and spatial population dynamics. *Global Ecology and Biogeography*. 2012 Feb;21(2):293–304.

21.

Canessa S, Converse SJ, West M, Clemann N, Gillespie G, McFadden M, Silla AJ, Parris KM, McCarthy MA. Planning for ex situ conservation in the face of uncertainty. *Conservation Biology*. 2016 Jun;30(3):599–609.

22.

Wingfield JC. Ecological processes and the ecology of stress: the impacts of abiotic environmental factors. *Functional Ecology*. 2013 Feb;27(1):37–44.

23.

He Q, Bertness MD, Altieri AH. Global shifts towards positive species interactions with increasing environmental stress. *Ecology Letters*. 2013 May;16(5):695–706.

24.

Johnston A, Thaxter CB, Austin GE, Cook ASCP, Humphreys EM, Still DA, Mackay A, Irvine R, Webb A, Burton NHK. Modelling the abundance and distribution of marine birds accounting for uncertain species identification. *Journal of Applied Ecology*. 2015 Feb;52(1):150–160.

25.

Birth distribution, structure and dynamics of a hunted mountain population of Wild boars (*Sus scrofa* L.), Ticino, Switzerland. *Journal of Mountain Ecology* [Internet]. 2014;3. Available from: <http://mountainecology.org/index.php/me/article/view/110/94>

26.

Gosselin J, Zedrosser A, Swenson JE, Pelletier F. The relative importance of direct and indirect effects of hunting mortality on the population dynamics of brown bears. *Proceedings of the Royal Society B: Biological Sciences*. 2014 Nov 12;282(1798):20141840–20141840.

27.

Appeltans W, Ahyong ST, Anderson G, Angel MV, Artois T, Bailly N, Bamber R, Barber A, Bartsch I, Berta A, Błażewicz-Paszkowycz M, Bock P, Boxshall G, Boyko CB, Brandão SN, Bray RA, Bruce NL, Cairns SD, Chan TY, Cheng L, Collins AG, Cribb T, Curini-Galletti M, Dahdouh-Guebas F, Davie PJF, Dawson MN, De Clerck O, Decock W, De Grave S, de Voogd NJ, Domning DP, Emig CC, Erséus C, Eschmeyer W, Fauchald K, Fautin DG, Feist SW, Franssen CHJM, Furuya H, Garcia-Alvarez O, Gerken S, Gibson D, Gittenberger A, Gofas S, Gómez-Daglio L, Gordon DP, Guiry MD, Hernandez F, Hoeksema BW, Hopcroft RR. The Magnitude of Global Marine Species Diversity. *Current Biology*. 2012 Dec;22(23):2189–2202.

28.

Pons P, Rost J. The challenge of conserving biodiversity in harvested burned forests. *Conservation Biology*. 2016 May;

29.

Bellard C, Bertelsmeier C, Leadley P, Thuiller W, Courchamp F. Impacts of climate change on the future of biodiversity. *Ecology Letters*. 2012 Apr;15(4):365–377.

30.

Souza GM, Bertolli SC, Lüttge U. Hierarchy and Information in a System Approach to Plant Biology: Explaining the Irreducibility in Plant Ecophysiology. In: Lüttge U, Cánovas FM, Matyssek R, editors. *Progress in Botany 77* [Internet]. Cham: Springer International Publishing; 2016. p. 167–186. Available from: [http://link.springer.com/10.1007/978-3-319-25688-7\\_5](http://link.springer.com/10.1007/978-3-319-25688-7_5)

31.

Spellerberg IF, Fedor PJ. A tribute to Claude Shannon (1916-2001) and a plea for more rigorous use of species richness, species diversity and the 'Shannon-Wiener' Index. *Global Ecology and Biogeography*. 2003 May;12(3):177–179.

32.

Ledger KJ, Pal RW, Murphy P, Nagy DU, Filep R, Callaway RM. Impact of an invader on species diversity is stronger in the non-native range than in the native range. *Plant*

Ecology. 2015 Sep;216(9):1285–1295.

33.

Frankham R, Ballou JD, Dudash MR, Eldridge MDB, Fenster CB, Lacy RC, Mendelson JR, Porton IJ, Ralls K, Ryder OA. Implications of different species concepts for conserving biodiversity. *Biological Conservation*. 2012 Sep;153:25–31.

34.

Dubuis A, Rossier L, Pottier J, Pellissier L, Vittoz P, Guisan A. Predicting current and future spatial community patterns of plant functional traits. *Ecography*. 2013 Nov;36(11):1158–1168.